

Mutector™ Product for Human Mutations

a= 1st base of the codon b= 2nd base of the codon c= 3rd base of the codon

The Mutector Kit is designed for reasearch use only, not for use in diagnostic procedures.

| Gene Name | Mutation Description | | Cat No |
|---|----------------------|---------------------|------------|
| | Codon | Base | |
| B-Raf 599 b | 599 (600) | T>A | MH1001-04 |
| Adrenergic Beta-2 Receptor | 16 | A>T | MH1054-01 |
| Adrenergic Beta-2 Receptor | 27 | C>G | MH1054-02 |
| Adrenergic Beta-3 Receptor | 64 | T>C | MH1055-01 |
| Aldehyde dehydrogenase 2 family | 651 | G>A | MH1053-01 |
| Alpha 2 globin | 59 | G>A | MH1048-01 |
| Alpha 2 globin | 125 | T>C | MH1048-02 |
| Alpha 2 globin | 142 | T>C | MH1048-03 |
| Alpha 2 globin | 30 | (GAG)>Del | MH1048-04 |
| Alpha 2 globin | 31 | G>A | MH1048-05 |
| Alpha 2 globin | 122 | C>G | MH1048-06 |
| Ankyrin repeat-containing protein | 455 | C>T | MH1034-01 |
| Apolipoprotein C-III (APOC3) * | -455 | C>T | MH1028-01* |
| Apolipoprotein C-III (APOC3) * | -482 | C>T | MH1028-02* |
| Apolipoprotein E (E2/E3/E4)* | 112 | C>T | MH1047-01* |
| Apolipoprotein E (E3/E4)* | 158 | C>T | MH1047-02* |
| Beta globin | 26 | G>A | MH1049-01 |
| Beta globin | 71/72 | (+A) | MH1049-02 |
| Beta globin | N/A | C>T | MH1049-03 |
| Beta globin | -28 | A>G | MH1049-04 |
| Beta globin | 41/42 | TCTT>Del | MH1049-05 |
| Beta globin | 17 | A>T | MH1049-06 |
| B-Fibrinogen | N/A | G>A | MH1039-01 |
| CD14 | -159 | G>A | MH1046-01 |
| Chemokine Recetpor 5 | 185 | AG>TT 32bp deletion | MH1016-01 |
| Coagulation factor V | 89 | G>A | MH1043-01 |
| Coagulation factor VII | 353 | G>A | MH1042-01 |
| Coagulation factor XIII | 35 | G>T | MH1045-01 |
| Cosmc | 198 | A>G | MH1033-01 |
| cystic fibrosis transmembrane conductance regulator | 57 | T>C | MH1003-01 |
| cystic fibrosis transmembrane conductance regulator | 57 | G>A | MH1003-02 |
| cystic fibrosis transmembrane conductance regulator | 88 | T>N | MH1003-03 |

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| cystic fibrosis transmembrane conductance regulator | 117 | C>T | MH1003-04 |
| cystic fibrosis transmembrane conductance regulator | 117 | G>N | MH1003-05 |
| CytochromeP450 | 34 | C>T | MH1023-01 |
| CytochromeP450 | 2502 | G>C | MH1023-02 |
| CytochromeP450 | 152 | T>G | MH1023-03 |
| CytochromeP450 | 3377 | G>T | MH1023-04 |
| CytochromeP450 | 169 | G>A | MH1023-05 |
| CytochromeP450 | 259 | A>G | MH1023-06 |
| CytochromeP450 | 280-281 | (AGA) | MH1023-07 |
| CytochromeP450 | 107 | C>T | MH1023-08 |
| CytochromeP450 | 296 | C>T | MH1023-09 |
| CytochromeP450 | 176 | T>C | MH1023-10 |
| CytochromeP450 | 136 | G>C | MH1023-11 |
| CytochromeP450 | 486 | G>C | MH1023-12 |
| Cytotoxic T-lymphocyte-associated protein 4 | -318 | C>T | MH1029-01 |
| DL1RA | N/A | A>G | MH1038-01 |
| EGFR* | 719 | G>A | MH1022-01* |
| EGFR* | 2235-2249 | G>A | MH1022-02* |
| EGFR* | 2236-2250 | GAA-ACA | MH1022-03* |
| EGFR* | 2254--2277 | TCT-CTC | MH1022-04* |
| EGFR* | 861 | CT>AG | MH1022-06* |
| EGFR* | 2240-2257 | TAA-CGA | MH1022-07* |
| EGFR* | 2240-2251 | TAA-CAT | MH1022-08* |
| EGFR* | 858 | T>G | MH1022-11* |
| EGFR* | 2582 | T>G | MH1022-12* |
| Fanconi anemia, group A | 1055 | C>T | MH1005-01 |
| Fanconi anemia, group A | 1055 | G>T | MH1005-02 |
| Fanconi anemia, group A | 1088 | C>T | MH1005-03 |
| fms-related tyrosine kinase 3 | 892 | A>T | MH1006-01 |
| GANP protein | 102 | C>T | MH1051-01 |
| GANP protein | 176/177 | (+T) | MH1051-02 |
| GANP protein | 58 | T>C | MH1051-03 |
| GANP protein | 80 | G>A | MH1051-04 |
| GANP protein | 148 | C>T | MH1051-05 |
| GANP protein | 577 | C>T | MH1051-06 |
| glucocerebrosidase | 32724(5) | GC to GGC | MH1019-01 |
| glucocerebrosidase | 32756 | G>A | MH1019-02 |
| glucocerebrosidase | 37541 | A>G | MH1019-03 |
| glucocerebrosidase | 38132 | T>C | MH1019-04 |

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| HBV | 229 | G>T | MH1031-05 |
| HBV | 229 | G>C | MH1031-06 |
| HBV | 229 | G>A | MH1031-07 |
| Hemochromotosis (HFE) | 63 | C>G | MH1035-01 |
| Hemochromotosis (HFE) | 282 | G>A | MH1035-02 |
| HIV-1 pol | 258 | A>C | MH1030-01 |
| HIV-1 pol | 219 | A>G | MH1030-02 |
| Homo sapiens 8-oxoguanine DNA glycosylase (OGG1), nuclear gene encoding mitochondrial protein, | 308 | G>A | MH1017-02 |
| Human K-ras oncogene | 12 | G>T | MH1008-01 |
| Human K-ras oncogene | 12 | G>A | MH1008-02 |
| Human K-ras oncogene | 13 | G>T | MH1008-03 |
| Human K-ras oncogene | 13 | G>A | MH1008-04 |
| Human K-ras oncogene | 61 | C>A | MH1008-05 |
| Human K-ras oncogene | 61 | A>T | MH1008-06 |
| Human K-ras oncogene | 61 | A>T | MH1008-07 |
| Insulin Promoter -23 A>T | -23 | A>T | MH1026-01 |
| Interleukin 10 promotor region | -795 | C>T | MH1015-01 |
| Janus Kinase 2 | 616 | G>T | MH1032-01 |
| Malaria Parasite Strain Test (MSP) | E/Q | G>C | MH1037-01 |
| Malaria Parasite Strain Test (MSP) | H/N | C>A | MH1037-02 |
| Met proto oncogene | 1009 | C>T | MH1009-01 |
| Met proto oncogene | 1110 | G>A | MH1009-02 |
| Met proto oncogene | 1112 | C>T | MH1009-03 |
| Mitochondrial DNA | N/A | A>G | MH1050-01 |
| Mitochondrial DNA | N/A | T>G | MH1050-02 |
| Mitochondrial DNA | N/A | T>C | MH1050-03 |
| Mitochondrial DNA | N/A | T>C | MH1050-04 |
| Mitochondrial DNA | N/A | A>G | MH1050-05 |
| Mitochondrial DNA | N/A | C>T | MH1050-06 |
| Mitochondrial DNA | N/A | A>G | MH1050-07 |
| Mitochondrial DNA | N/A | A>G | MH1050-08 |
| Mitochondrial DNA | N/A | A>G | MH1050-09 |
| Mitochondrial DNA | N/A | C>T | MH1050-10 |
| MTHFR | 222 | C>T | MH1041-01 |
| Neuroblastoma RAS viral oncogene | 12 | G>Del | MH1010-01 |
| Neuroblastoma RAS viral oncogene | 12 | G>Del | MH1010-02 |
| Neuroblastoma RAS viral oncogene | 61 | A>T | MH1010-04 |
| PAI-1 | N/A | Del>G | MH1040-01 |

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| PCDH 15 | 245 | C>T | MH1025-01 |
| BCR-ABL mutation #1* | SNP1 | G>AAG | MH1021-01* |
| BCR-ABL mutation #2* | SNP2 | C>U | MH1021-02* |
| BCR-ABL mutation #3* | SNP3 | T>C | MH1021-03* |
| BCR-ABL mutation #5* | SNP5 | G>A | MH1021-05* |
| BCR-ABL mutation #6* | SNP6 | G>C | MH1021-06* |
| BCR-ABL mutation #7* | SNP7 | A>G | MH1021-07* |
| BCR-ABL mutation #8* | SNP8 | A>T | MH1021-08* |
| BCR-ABL mutation #9* | SNP9 | T>C | MH1021-09* |
| BCR-ABL mutation #10* | SNP10 | UUC>G | MH1021-10* |
| BCR-ABL mutation #11* | SNP11 | GA>GG | MH1021-11* |
| BCR-ABL mutation #15* | SNP15 | A>G | MH1021-15* |
| PPAR Gamma | 12 | C>G | MH1036-01 |
| PPAR Gamma | 54 | C>T | MH1036-02 |
| PPARA peroxisome proliferative activated receptor, alpha | 162 | L>V | MH1057-01 |
| Prospero-related Homeobox 1 | 334 | A>G | MH1052-01 |
| Prothrombin | 26784 | G>A | MH1044-01 |
| Putative prostate cancer tumor suppressor isoform A | 3419695 | C>G | MH1018-01 |
| TNFSF5 | 231 | A>G | MH1027-01 |
| Tumor suppressor P53 | 72 | G>C | MH1011-01 |
| Tumor suppressor P53 | 154 | G>T | MH1011-02 |
| Tumor suppressor P53 | 158 | G>T | MH1011-04 |
| Tumor suppressor P53 | 175 | G>A | MH1011-07 |
| Tumor suppressor P53 | 278 | C>T | MH1011-09 |
| Tumor suppressor P53 | 248 | G>A | MH1011-11 |
| Valosin Containng Protein | 155 | G>A | MH1024-01 |
| v-Ha-ras Harvey rat sarcoma viral oncogene | 61 | C>A | MH1007-02 |

*If you use this kit's reagents to perform mutation testing, a correspondent license is required.