

## Recombinant Human MVD Protein, GST-tagged

Cat. No. MVD-5767H Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Human MVD full-length ORF ( AAH00011.1, 1 a.a. - 400 a.a.) recombinant protein with GST-tag at N-terminal.  |
| <b>Species</b>          | Human   |
| <b>Source</b>           | Wheat Germ  |
| <b>Description</b>      | The enzyme mevalonate pyrophosphate decarboxylase catalyzes the conversion of mevalonate pyrophosphate into isopentenyl pyrophosphate in one of the early steps in cholesterol biosynthesis. It decarboxylates and dehydrates its substrate while hydrolyzing ATP. [provided by RefSeq]   |
| <b>Molecular Mass</b>   | 69.63 kDa   |
| <b>AA Sequence</b>      | MASEKPLAAVTCTAPVNIAMVIAIKYWGKRDEELVLPINSSLSVTLHQDQLKTTTTAVISKD<br>FTEDRIWLN GREEDVGQPRLQA CLREIRCLARKRRNSRDG DPLPSSLSCKVHVASV<br>NNFPTAAGLASSAAGYACLAYTLARVYGVESDLSEVARRGSGSACRSLYGGFVEW<br>QMGEQADGKDSIARQVAPESHWP ELRVLILVVS AEK KLTGSTVGMRASVETSPLLR<br>FRAESVVPARMAEMARCIRERDFPSFAQLTMKDSNQFHATCLDTFPPISYLN AISWR<br>IIHLVHRFNAHHGDTKVAYTFDAGPNAVIFTLDDTVAEFVA AVWHGFPPGSNGDTFL<br>KGLQVRPAPLSAELQAALAMEPTPGGVKYIIVTQVGP GPQILDDPCA HLLGPDGLPK<br>PAA |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)   |

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|                         |  |
|-------------------------|--|
|                         | Antibody Production<br>Protein Array   |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.   |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.   |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.   |
| <b>GENE INFORMATION</b> |  |
| <b>Gene Name</b>        | MVD mevalonate (diphospho) decarboxylase [ Homo sapiens ]  |
| <b>Official Symbol</b>  | MVD  |
| <b>Synonyms</b>         | MVD; mevalonate (diphospho) decarboxylase; diphosphomevalonate decarboxylase; mevalonate pyrophosphate decarboxylase; MPD; MDDase; mevalonatepyrophosphate decarboxylase; FP17780; |
| <b>Gene ID</b>          | 4597   |
| <b>mRNA Refseq</b>      | NM_002461  |
| <b>Protein Refseq</b>   | NP_002452  |
| <b>MIM</b>              | 603236   |
| <b>UniProt ID</b>       | P53602   |

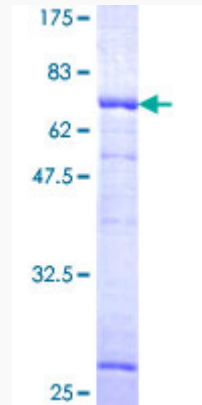
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**Quality Control**

**Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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