

Recombinant Full Length Human MVD Protein, GST-tagged

Cat. No. MVD-6583HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview Human MVD full-length ORF (AAH00011.1, 1 a.a. - 400 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source In Vitro Cell Free System

ProteinLength 400 amino acids

Description 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]

Molecular Mass 69.63 kDa

AA Sequence

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MASEKPLAAVTCTAPVNIAMIKYWGKRDEELVLPINSSLSVTLHQDQLKTTTTAVISKD
FTEDRIWLNGREEDVGQPRLQAACLREIRCLARKRRNSRDGDPLPSSLSCKVHVASV
NNFPTAAGLASSAAGYACLAYTLARVYGVESDLSEVARRGSGSACRSLYGGFVEW
QMGEQADGKDSIARQVAPESHWPELRVLILVVSAEKCLTGSTVGMRASVETSPLLR
FRAESVVPARMAEMARCIRERDFPSFAQLTMKDSNQFHATCLDTFPPISYLNIAISWR
IIHLVHRFNAHHGDTKVAYTFDAGPNAVIFTLDDTVAEFVAAVWHGFPPGSNGDTFL
KGLQVRPAPLSAELQAALAMEPTPGGVKYYIIVTQVGPQPQLDDPCAHLGLPDGLPK
PAA
```

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	MVD mevalonate (diphospho) decarboxylase [Homo sapiens]
Official Symbol	MVD
Synonyms	MVD; mevalonate (diphospho) decarboxylase; diphosphomevalonate decarboxylase; mevalonate pyrophosphate decarboxylase; MPD; MDDase; mevalonatepyrophosphate decarboxylase; FP17780;
Gene ID	4597
mRNA Refseq	NM_002461
Protein Refseq	NP_002452
MIM	603236
UniProt ID	P53602

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