

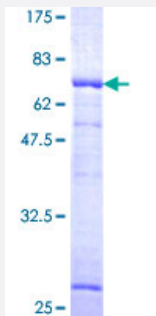
Full-Length

MVD (Human) Recombinant Protein (P01)

Catalog # H00004597-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

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

Sequence

MASEKPLAAVTCTAPVNIAVIKYWGKRDEELVLPINSSLSVTLHQDQLKTTTTAVISKDFTEDRWL
NGREEDVGQPRLQACLREIRCLARKRRNSRDGDLPSLSCKVHVASVNNFPTAAGLASSAAGY
ACLAYTLARVYGVESDLSEVARRGSGSACRSLYGGFVEWQMGEQADGKDSIARQVAPESHWP
ELRVLILVVS AEKKLTGSTVGMRASVETSPLLRFRAESVVPARMAEMARCIRERDFPSFAQLTMK
DSNQFHATCLDTFPPISYLN AISWRIHLVHRFNAHHGDTKVAYTFDAGPNAVIFTLDDTVAEFVAAV
WHGFPPGSNGDTFLKGLQVRPAPLSAELQAALAMEPTPGGVKYIIVTQVGP GPQLDDPCAHL LG
PDGLPKPAA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

69.63

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MVD

Entrez GeneID [4597](#)**GeneBank Accession#** [BC000011.1](#)**Protein Accession#** [AAH00011.1](#)**Gene Name** MVD**Gene Alias** FP17780, MPD**Gene Description** mevalonate (diphospho) decarboxylase**Omim ID** [603236](#)**Gene Ontology** [Hyperlink](#)

Gene Summary 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]

Other Designations diphosphomevalonate decarboxylase|mevalonate pyrophosphate decarboxylase

Pathway

- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of plant hormones](#)

- [Biosynthesis of terpenoids and steroids](#)
- [Metabolic pathways](#)
- [Terpenoid backbone biosynthesis](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)