

Product datasheet for **TP300451**

MVD (NM_002461) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human mevalonate (diphospho) decarboxylase (MVD), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC200451 protein sequence
Red=Cloning site **Green**=Tags(s)

MASEKPLAAVTCTAPVNIHAVIKYWGKRDEELVLPINSSLSVTLHQDQLKTTTTAVISKDFTEDETRIWLNGR
EEDVGQPRQLACLREIRCLARKRRNSRDGDPPLPSSLCKVHVASVNNFPTAAGLASSAAGYACLAYTLAR
VYGVESDLSEVARRGSGSACRSLYGGFVEWQMGEQADGKDSIARQVAPESHWPPELRVLLVLSAEKLTG
STVGMRASVETSPLLRFRAESVVPARMAEMARCIRERDFPSFAQLTMKDSNQFHATCLDTPPISYLNAI
SWRIIHLVHRFNAAHGDTKVAYTFDAGPNAVIFTLDDTVAEFVAAVWHGFPPGSDGDTFLKGLQVRPAPL
SAELQAALAMEPTPGGVKYYIIVTQVGGPQILDDPCAHLGLPDGLPKPAA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 43.2 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_002452](#)

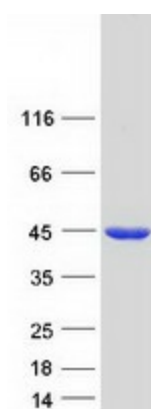
Locus ID: 4597



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UniProt ID:	<u>P53602</u>
RefSeq Size:	1812
Cytogenetics:	16q24.2
RefSeq ORF:	1200
Synonyms:	FP17780; MDDase; MPD; POROK7
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, Jul 2008]
Protein Pathways:	Metabolic pathways, Terpenoid backbone biosynthesis

Product images:



Coomassie blue staining of purified MVD protein (Cat# TP300451). The protein was produced from HEK293T cells transfected with MVD cDNA clone (Cat# [RC200451]) using MegaTran 2.0 (Cat# [TT210002]).