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Product datasheet for TP300451M

MVD (NM_002461) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human mevalonate (diphospho) decarboxylase (MVD), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200451 protein sequence Red=Cloning site Green=Tags(s) MASEKPLAAVTCTAPVNIAVIKYWGKRDEELVLPINSSLSVTLHQDQLKTTTTAVISKDFTEDRIWLNGR EEDVGQPRLQACLREIRCLARKRRNSRDGDPLPSSLSCKVHVASVNNFPTAAGLASSAAGYACLAYTLAR VYGVESDLSEVARRGSGSACRSLYGGFVEWQMGEQADGKDSIARQVAPESHWPELRVLILVVSAEKKLTG STVGMRASVETSPLLRFRAESVVPARMAEMARCIRERDFPSFAQLTMKDSNQFHATCLDTFPPISYLNAI SWRIIHLVHRFNAHHGDTKVAYTFDAGPNAVIFTLDDTVAEFVAAVWHGFPPGSNGDTFLKGLQVRPAPL SAELQAALAMEPTPGGVKYIIVTQVGPGPQILDDPCAHLLGPDGLPKPAA 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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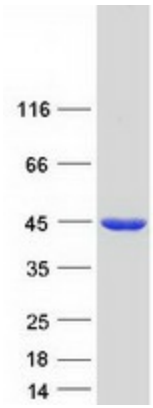
UniProt ID:	P53602
RefSeq Size:	1812
Cytogenetics:	16q24.2
RefSeq ORF:	1200
Synonyms:	FP17780; MDDase; MPD; POROK7
Summary:	The enzyme mevalonate pyrophosphate decarboxylase catalyzes the conversion of mevalonate pyrophosphate into isopentenyl pyrophosphate in one of the early steps in cholesterol biosynthesis. 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]).