OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for PH300451

MVD (NM_002461) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MVD MS Standard C13 and N15-labeled recombinant protein (NP_002452)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200451
Predicted MW:	43.4 kDa
Protein Sequence:	>RC200451 protein sequence Red=Cloning site Green=Tags(s) MASEKPLAAVTCTAPVNIAVIKYWGKRDEELVLPINSSLSVTLHQDQLKTTTTAVISKDFTEDRIWLNGR EEDVGQPRLQACLREIRCLARKRRNSRDGDPLPSSLSCKVHVASVNNFPTAAGLASSAAGYACLAYTLAR VYGVESDLSEVARRGSGSACRSLYGGFVEWQMGEQADGKDSIARQVAPESHWPELRVLILVVSAEKKLTG STVGMRASVETSPLLRFRAESVVPARMAEMARCIRERDFPSFAQLTMKDSNQFHATCLDTFPPISYLNAI SWRIIHLVHRFNAHHGDTKVAYTFDAGPNAVIFTLDDTVAEFVAAVWHGFPPGSNGDTFLKGLQVRPAPL SAELQAALAMEPTPGGVKYIIVTQVGPGPQILDDPCAHLLGPDGLPKPAA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002452
RefSeq Size:	1812
RefSeq ORF:	1200
Synonyms:	FP17780; MDDase; MPD; POROK7
Locus ID:	4597

View online »

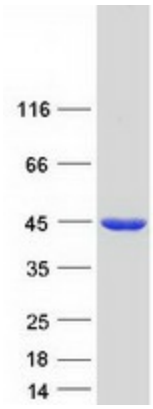
UniProt ID: P53602

Cytogenetics: 16q24.2

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]).