



Recombinant Human Diphosphomevalonate decarboxylase (MVD)

Product Code	CSB-MP015246HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P53602
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	ASEKPLAAV TCTAPVNIIV IKYWGKRDEE LVLPINSSLS VTLHQDQLKT TTTAVISKDF TEDRIWLNGR EEDVGQPRQLQ ACLREIRCLA RKRRNSRDGD PLPSSLCKV HVASVNNFPT AAGLASSAAG YA CLAYTLAR VYGVESDLSE VARRGSGSAC RSLYGGFVEW QMGEQADGKD SIARQVAPES HWPELRLVIL VVSAEKKLTG STVGMRASVE TSPLLRFRAE SVVPARMAEM ARCIRERDFP SFAQLTMKDS NQFHATCLDT FPPISYLNAI SWRIIHLVHR FNAHHGDTKV AYTFDAGPNA VIFTLDDTVA EFVAAVWHGF PPGSNGDTFL KGLQVRPAPL SAELQAALAM EPTPGGVKYI IVTQVGPQPQ ILDDPCAHLL GPDGLPKPAA
Source	Mammalian cell
Target Names	MVD
Protein Names	Recommended name: Diphosphomevalonate decarboxylase EC= 4.1.1.33 Alternative name(s): Mevalonate (diphospho)decarboxylase Short name= MDDase Mevalonate pyrophosphate decarboxylase
Expression Region	2-400
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life



of lyophilized form is 12 months at -20°C/-80°C.