



Recombinant Rat Diphosphomevalonate decarboxylase (Mvd)

Product Code	CSB-BP726822RA
Abbreviation	Mvd
Storage	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.
Uniprot No.	Q62967
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	ASEKPQDLM VTCTAPVNIA VIKYWGKRDE ALILPINPSL SVTLHQDQLK TTTTAAISKD FTEDRIWLNG REEDVGQRL QACLREIRRL ARKRRSTGDG DALPLSLGYK VHVASVNNFP TAAGLASSAA GYACLAYTLA RVYGVEGDLS EVARRGSGSA CRSLYGGFVE WQMGEQADGK DSIARQIAPE WHWPQLRVLI LVVSAEKKPT GSTVGMQTSV ATSTLLKFRA ESIVPERMKE MTRCIQE QDF QAFAQLTMKD SNQFHATCLD TFPPISYLND TSRRIQLVH RFNAHHGQTK VAYTFDAGPN AVIFTLEDTV AEFVA AVRHS FPPAANGDKF LKGLQVAPVL LSDELKTS LA TEPSPGGVQY IATQVGP GP QVLDDPHHHL LGPDGLPQRD L
Source	Baculovirus
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	2-401
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.