

## 32-2574: MVD Recombinant Protein

**Alternative Name** : Diphosphomevalonate decarboxylase, Mevalonate (diphospho)decarboxylase, MDDase, Mevalonate pyrophosphate decarboxylase, MVD, MPD, FP17780.

### Description

Source : E.coli. MVD Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 420 amino acids (1-400) and having a molecular mass of 45.6kDa. MVD is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Diphosphomevalonate decarboxylase (MVD) catalyzes the conversion of mevalonate pyrophosphate into isopentenyl pyrophosphate in one of the early steps in cholesterol biosynthesis. MVD decarboxylates and dehydrates its substrate while hydrolyzing ATP. MVD is expressed in the heart, skeletal muscle, lung, liver, brain, pancreas, kidney and placenta.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 85% as determined by SDS-PAGE.  
**Content :** The MVD solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol and 1mM DTT.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MASEKPLAAV TCTAPVNIIV IKYWGKRDEE LVLPINSSLS VTLHQDQLKT TTTAVISKDF TEDRIWLNGR EEDVGQPRQLQ ACLREIRCLA RKRRNSRDGD PLPSSLCKV HVASVNNFPT AAGLASSAAG YA CLAYTLAR VYGVESDLSE VARRGSGSAC RSLYGGFVEW QMGEQADGKD SIARQVAPES HWPELRVLIL VVSAEKKLTG STVGMRASVE TSPLLRFRAE SVVPARMAEM ARCIRERDFP SFAQLTMKDS NQFHATCLDT FPPISYLNAI SWRIIHLVHR FNAHHGDTKV AYTFDAGPNA VIFTLDDTVA EFVAAVWHGF PPGSNGDTFL KGLQVRPAPL SAELQAALAM EPTPGGVKYYI IVTQVGPQPQ ILDDPCAHLL GPDGLPKPAA.

