

## Product datasheet for TP313533L

### MVP (NM\_017458) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human major vault protein (MVP), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213533 representing NM_017458 Red=Cloning site Green=Tags(s)

MATEEFIIIRIPPYHYIHVLDQNSNVSERVEVGPVKTYIRQDNERVLFPMMRMVTVPPRHYCTVANPVS RDAQ  
GLVLFVDVTGQVRLRHADLEIRLAQDPFPLYPGEVLEKDITPLQVWLPNTALHLKALLDFEDKDGDKWVAG  
DEWLFEGPGTYIPRKEVEVVEIIQATIIRQNQALRLRARKECWDRDGGKERTVTEEWLVTTVGAYLPAVFE  
EVLDLVDAVILTEKTALHLRARRNFRDFRGVSRRTGEEWLVTVQDTEAHVPDVHEEVLGVVPIITLGP  
YCVILDPVGPDKGNQLGQKRVVKGESFFLQPGEQLEQGIQDVVYLSEQQGLLLRALQPLEEGEDEEKVS  
HQAGDHWLIRGPLEYVPSAKVEVVEERQAIPLDENEGIYVQDVKTGKVRVIGSTYMLTQDEVLWEKELP  
PGVEELLNKGQDPLADRGEKDTAKSLQPLAPRNKTRVVSYPHNAAVQVYDYREKRARVFGPELVSLG  
PEEQFTVLSLSAGRPKRPHARRALCLLLGPDFFTDVIETADHARLQLLAYNWHFEVNDKDPQETAK  
LFSVPDFVGDACKAIASRVRGAVASVTFDDFHKNSARIIRTAVFGFETSEAKGPDGMALPRPRDQAVFPQ  
NGLVSSVDVQSVEPVDQRTRDALQRSVQLAIEITNSQEAQKHEAQRLEQEARGLERQKILDQSEAE  
KARKELLEALSMAVESTGTAKAEAESRAEAARIEGEGSVLQAKLKAQALAIETEAELQRVQKVRELEL  
VYARAQLELEVSKAQQLAEEVVKFKQMTEAIGPSTIRDLAVAGPEMQVLLQSLGLKSTLITDGSTPIN  
LFNTAFGLLGMGPEGQPLGRRVASGSPGEGISPSAQAPQAPGDNHVVPVLR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	99.1 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.



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**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\\_059447](#)

**Locus ID:** 9961

**UniProt ID:** [Q14764](#), [X5D2M8](#)

**RefSeq Size:** 2857

**Cytogenetics:** 16p11.2

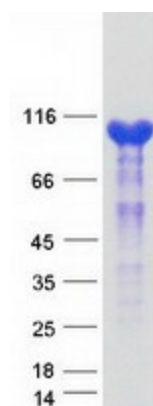
**RefSeq ORF:** 2679

**Synonyms:** LRP; VAULT1

**Summary:** This gene encodes the major component of the vault complex. Vaults are multi-subunit ribonucleoprotein structures that may be involved in nucleo-cytoplasmic transport. The encoded protein may play a role in multiple cellular processes by regulating the MAP kinase, JAK/STAT and phosphoinositide 3-kinase/Akt signaling pathways. The encoded protein also plays a role in multidrug resistance, and expression of this gene may be a prognostic marker for several types of cancer. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, May 2012]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified MVP protein (Cat# [TP313533]). The protein was produced from HEK293T cells transfected with MVP cDNA clone (Cat# [RC213533]) using MegaTran 2.0 (Cat# [TT210002]).