

Product datasheet for TP304841

MVP (NM_005115) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human major vault protein (MVP), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204841 protein sequence Red=Cloning site Green=Tags(s)

MATEEFIIIRIPPYHYIHVLDQNSNVSERVEVGPVKTYIRQDNERVLFPMMRMVTVPPRHYCTVANPVS RDAQ
GLVLFVDVTGQVRLRHADLEIRLAQDPFPLYPGEVLEKDITPLQVWLPNTALHLKALLDFEDKDGDKWVAG
DEWLFEGPGTYIPRKEVEVVEIIQATIIRQNQALRLRARKECWDRDGGKERTGEEWLVTTVGAYLPAVFE
EVLDLVDAVILTEKTALHLRARRNFRDFRGVSRRTGEEWLVTVQDTEAHVPDVHEEVLGVPPITTLGPHN
YCVILDPVGPDKGNQLGQKRVVKGESFFLQPGEQLEQGIQDVVYLSEQQGLLLRALQPLEEGEDEEKVS
HQAGDHWLIRGPLEYVPSAKVEVVEERQAIPLDENEGIYVQDVKTGKVRVIGSTYMLTQDEVLWEKELP
PGVEELLNKGQDPLADRGEKDTAKSLQPLAPRNKTRVVSYPHNAAVQVYDYREKRARVFGPELVSLG
PEEQFTVLSLSAGRPKRPHARRALCLLLGPDFFTDVIETADHARLQLQLAYNWHFEVNDKDPQETAK
LFSVPDFVGDACKAIASRVRGAVASVTFDDFHKNSARIIRTAVFGFETSEAKGPDGMALPRPRDQAVFPQ
NGLVSSVDVQSVPEVDQRTRDALQRSVQLAIEITTSQEAQAKHEAQRLEQEARGLERQKILDQSEAE
KARKELLEALSMAVESTGTAKAEAESRAEAARIEGEGSVLQAKLKAQALAIETEAELQRVQKVRELEL
VYARAQLELEVSKAQQLAEEVVKFKQMTEAIGPSTIRDLAVAGPEMQVLLQSLGLKSTLITDGSTPIN
LFNTAFGLLGMGPEGQPLGRRVASGSPGEGISPQSAQAPQAPGDNHVVPVLR

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_005106](#)

Locus ID: 9961

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

RefSeq Size: 2902

Cytogenetics: 16p11.2

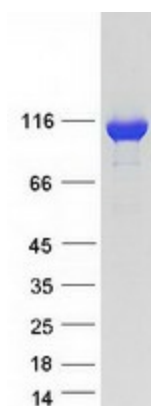
RefSeq ORF: 2679

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# TP304841). The protein was produced from HEK293T cells transfected with MVP cDNA clone (Cat# [RC204841]) using MegaTran 2.0 (Cat# [TT210002]).