

## Product datasheet for PH304841

### MVP (NM\_005115) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	MVP MS Standard C13 and N15-labeled recombinant protein (NP_005106)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204841
Predicted MW:	99.3 kDa
Protein Sequence:	>RC204841 protein sequence Red=Cloning site Green=Tags(s)

MATEEFIIIRIPPYHYIHVLDQNSNVSVEVGPPTYIRQDNERNVLFAPMRMVTVPPRHYCTVANPVS RDAQ  
GLVLFQVDTGQVRLRHADLEIRLAQDPFPLYPGVELEKDIITPLQVVLPNTALHLKALLDFEDKDGDKVVAG  
DEWLFEGPGTYIPRKEVEVVEIIQATIIRQNQALRLRARKECWDRDGKERVTEGEEWLVTTVGAYLPAVFE  
EVLDLVDAVILTEKTALHLRARRNFRDFRGVSRRTGEEWLVTVQDTEAHVPDVHVEEVLGVVPIITTLGPHN  
YCVILDPVGPDGKNQLGQKRVVKGKESFFLQPGEQLEQGIQDVVYLSEQQGLLLRALQPLEEGEDEEKVS  
HQAGDHWLIRGPLEYVPSAKVEVVEERQAIPLDENEGIYVQDVKTGKVRVAVIGSTYMLTQDEVLWEKELP  
PGVEELLNKGQDPLADRGEKDTAKSLQPLAPRNKTRVVS YRVPHNAAVQVYDYREKRARVVFGEPELVSLG  
PEEQFTVLSLSAGRPKRPHARRALCLLLGPDFFTDVITITETADHARLQLQLAYNWHFEVNDRKDPQETAK  
LFSVPDFVGDACKAIASRVRGAVASVTFDDFHKNSARIIRTAVFGFETSEAKGPDGMALPRPRDQAVFPQ  
NGLVVSSVDVQSVPEVDQRTDALQRSVQLAIEITTNQSQEA AAKHEAQRLEQEARGRLERQKILDQSEAE  
KARKELLELEALSMAVESTGTAKAEAESRAEAARIEGEGSVLQAKLKAQALAIETEAELQRVQKVRELEL  
VYARAQLELEVSKAQQLAEEVVKFKQMTEAIGPSTIRDLAVAGPEMQVKLLQSLGLKSTLITDGGSTPIN  
LFNTAFGLLGMGPEGQPLGRRVASGSPGEGISPQSAQAPQAPGDNHVVPVLR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



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RefSeq: [NP\\_005106](#)

RefSeq Size: 2902

RefSeq ORF: 2679

Synonyms: LRP; VAULT1

Locus ID: 9961

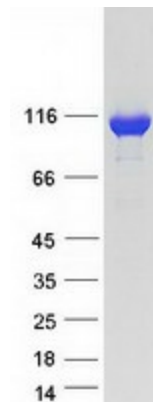
UniProt ID: [Q14764](#), [X5D2M8](#)

Cytogenetics: 16p11.2

**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]).