

## Product datasheet for PH316340

### Villin (VIL1) (NM\_007127) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	VIL1 MS Standard C13 and N15-labeled recombinant protein (NP_009058)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216340
Predicted MW:	92.5 kDa
Protein Sequence:	>RC216340 representing NM_007127 Red=Cloning site Green=Tags(s)
	<p>MTKLSAQVKGSLNITTPGLQIWRIEAMQMPVPSSTFGSFFDGDICYIILAIHKTASSLSYDIHYWIGQDS SLDEQGAAYITTMDDFLKGRAVQHREVQGNSEAFRGYFKQGLVIRKGGVASGMKHVETNSYDVQRLL HYVGKRNVVAGEVEMSWKSFNRGDVFLDLGKLIQWNGPESTRMERLRGMTLAKEIRDQERGGRTYVGV VDGENELASPKLMEVMNHVLGKRRELKAAVPDTPVEPALKAALKLYHVSDEGNL VVREVA TRPLTQDLL SHEDCYILDQGGKLIYVWKGKKANEQEKKGAMSHALNFIKAKQYPPSTQVEVQNDGAESAVFQQLFQKWT ASNRTSGLGKTHTVGSVAKVEQVKFDATSMHVKPQVAAQQKMVDDGSGEVQVWR IENLELVPVDSKWLGH FYGGDCYLLLYTLIGEKQHYLLYVWQGSQASQDEITASAYQAVILDQKYNREPQVIRVPMGKPPHMS IFKGRMVVYQGGTSRTNNLETGPSTRLFQVQGTGANNTKAFEV PARANFLNSNDVFVLTQSCCYLWCGK GCSGDEREMAKMVADTISRTEKQVVEGQEPANFWMALGGKAPYANTKRLQEENLVITPRLFECSSNKTGR FLATEIPDFNQDDLEEDDVFLLDVWDQVFFWIGKHANEEKAAAATTAQEY LKTHPSGRDPETPIIVVKQ GHEPPTFTGWFLAWDPFKWSNTKSYEDLKAELGNSRDWSQITAEVTS PKVDVFNANSNLSSGPLPIFPLE QLV NKPVEELPEGVDPSRKEEHL SIEDFTQAFGMTPAAFSALPRWKQQLKKEKGLF</p> <p>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV</p>
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.
RefSeq:	<a href="#">NP_009058</a>

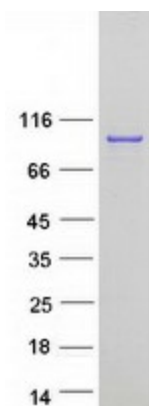


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RefSeq Size:	2702
RefSeq ORF:	2481
Synonyms:	D2S1471; VIL
Locus ID:	7429
UniProt ID:	<a href="#">P09327</a> , <a href="#">Q53F91</a>
Cytogenetics:	2q35

**Summary:** This gene encodes a member of a family of calcium-regulated actin-binding proteins. This protein represents a dominant part of the brush border cytoskeleton which functions in the capping, severing, and bundling of actin filaments. Two mRNAs of 2.7 kb and 3.5 kb have been observed; they result from utilization of alternate poly-adenylation signals present in the terminal exon. [provided by RefSeq, Jul 2008]

### Product images:



Coomassie blue staining of purified VIL1 protein (Cat# [TP316340]). The protein was produced from HEK293T cells transfected with VIL1 cDNA clone (Cat# [RC216340]) using MegaTran 2.0 (Cat# [TT210002]).