

## Product datasheet for PH309474

### VPS11 (NM\_021729) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	VPS11 MS Standard C13 and N15-labeled recombinant protein (NP_068375)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209474
Predicted MW:	107.6 kDa
Protein Sequence:	>RC209474 representing NM_021729 Red=Cloning site Green=Tags(s)

MAAYLQWRRFVFFDKELVKEPLSNDGAAPGATPASGSAASKFLCLPPGITVCDSDGRGSLVFGDMEGQIWF  
LPRSLQLTGFQAYKLRVTHLYQLKQHNILASVGEDEEGINPLVKIWNLEKRDGGNPLCTRIFPAIPGTEP  
TVVSLTVHENLNFMAIGFTDGSVTLNKGDI TRDRHSKTQILHKGNYPTGLAFRQAGKTTHLFVVTEN  
VQSYIVSGKDYPRVELDTHGGLRCSALSDPSQDLQFIVAGDECYLYQPDERGPCFAFEGHKLIAHWFR  
GYLIIIVSRDRKVS PKSEFTSRDSQSSDKQILNIYDL CNKFIAYSTVFEDVVDVLA EWGSLYVL TRDGRVH  
ALQEKDTQTKLEMLFKKNLFEMAINLAKSQHLSDGLAQIFMQYGDHLYSKGNHDGAVQQYIRTIGKLEP  
SYVIRKFLDAQRIHNL TAYLQTLHRQSLANADHTLLLN CYTKLKDSSKLEEFIKKKSESEVHFVETAI  
KVL RQAGYYSHALYLAENHAHHEWYLKIQLEDIKNYQEALRYIGKLPFEQAE SNMKRYGILMHHIPEQT  
TQLLKGLCTDYRPSLEGRSDREAPGCRANSEEF IPIFANNPRELKAFLEHMSEVQPDSPQGIYDTLLELR  
LQNWAEKDPQVKEKLHAEAISLLKSGRFCDVFDKALVLCQMHDVFDGVLVLYEQGKLFQQIMHYHMQHE  
QYRQVIVSVCERHGEQDPSLWEQALSYFARKEEDCKEYVA AVLKHIENKNLMPPLL VVQTLAHNSTATLSV  
IRDYLVQKLQKQSQQIAQDELRRYREETTRIRQEIQELKASPKIFQKTKCSICNSALELPSVHFLCGH  
SFHQHCFESYSESDADCPTCLPENRKVMDMIRAQEQKRDLDHQFQHQLRCSNDSFSVIADYFGRGVFNKL  
TLLTDPPTARLTSSLEAGLQRDLLMHSRRGT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.



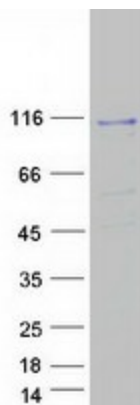
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RefSeq:	<a href="#">NP_068375</a>
RefSeq Size:	3279
RefSeq ORF:	2823
Synonyms:	END1; HLD12; hVPS11; PEP5; RNF108
Locus ID:	55823
UniProt ID:	<a href="#">Q9H270</a> , <a href="#">A0A087WXL6</a> , <a href="#">B7Z879</a>
Cytogenetics:	11q23.3

**Summary:** Vesicle mediated protein sorting plays an important role in segregation of intracellular molecules into distinct organelles. Genetic studies in yeast have identified more than 40 vacuolar protein sorting (VPS) genes involved in vesicle transport to vacuoles. This gene encodes the human homolog of yeast class C Vps11 protein. The mammalian class C Vps proteins are predominantly associated with late endosomes/lysosomes, and like their yeast counterparts, may mediate vesicle trafficking steps in the endosome/lysosome pathway. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified VPS11 protein (Cat# [TP309474]). The protein was produced from HEK293T cells transfected with VPS11 cDNA clone (Cat# [RC209474]) using MegaTran 2.0 (Cat# [TT210002]).