

Product datasheet for PH307267

VPS41 (NM_014396) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	VPS41 MS Standard C13 and N15-labeled recombinant protein (NP_055211)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207267
Predicted MW:	98.6 kDa
Protein Sequence:	>RC207267 protein sequence Red=Cloning site Green=Tags(s)

MAEAEQEQTGSLEESTDESEEESEEEPKLKYERLSNGVTEILQKDAASCMTVHDKFLALGTHYGKVVLL
DVQGNITQKFDVSPVKINQISLDESGEHMGVCSGDKVQVFGLYSGEEFHETFDPCPIKIIAVHPHFVRS
CKQFVTGGKLLLFERSWMNRWKSAVLHEGEGNIRSVKWRGHLIAWANNMGVKIFDIISKQRITNVPRDD
ISLRPDMYPCSLCWKDNVTLIIGWGTSVKVCVKERHASEMRDLPSRYVEIVSQFETEFYISGLAPLCDQ
LVVLSYVKEISEKTEREYCARPLDIIQPLSETCEEISSDALTVRGFQENECRDYHLEYSEGESLFYIVS
PRDVVAKERDQDDHIDWLLLEKKYEEALMAAEISQKNIKRHKILDIGLAYINHLVERGDYDIAARKCQK
ILGKNAALWEYEVYKFEIGQLKAISPYLPRGDPVLKPLIYEMILHEFLESDYEGFATLIREWPGLYNN
SVIVQAVRDHLKKDSQNKTLKTLAELITYDKNYGNALEIYLTLRHKDVFLIHKHNLFSISKDKIVLLM
DFDSEKAVDMLLDNEDIKSIKKVVEELEDRELPQHVYLHKLFRDHHKQRYHEKQISLYAEYDRPNLLP
FLRDSTHCPLEKALEICQQRNFVEETVYLLSRMGNSRSALKMIMEELHDVKAIEFAKEQDDGELWEDLI
LYSIDKPPFITGLLNNIGTHVDPILLIHRKEGMEIPNLRDSLKILQDYNLQILLREGCKILVADSL
LLKKMHRMQMGVLDVEENICESCLSPILPDAAKPFSVVVFHCRHMFHKECLPMPMSMNSAAQFCNICSA
KNRGPGSAILMCK

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_055211](#)

RefSeq Size: 4894

RefSeq ORF: 2562

Synonyms: HVPS41; hVps41p; HVSP41

Locus ID: 27072

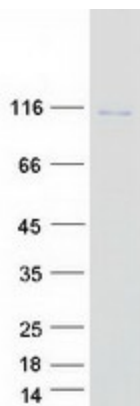
UniProt ID: [P49754](#)

Cytogenetics: 7p14.1

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 ortholog of yeast Vps41 protein which is also conserved in Drosophila, tomato, and Arabidopsis. Expression studies in yeast and human indicate that this protein may be involved in the formation and fusion of transport vesicles from the Golgi. Several transcript variants encoding different isoforms have been described for this gene, however, the full-length nature of not all is known. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified VPS41 protein (Cat# [TP307267]). The protein was produced from HEK293T cells transfected with VPS41 cDNA clone (Cat# [RC207267]) using MegaTran 2.0 (Cat# [TT210002]).