

Product datasheet for PH301460

VPS29 (NM_057180) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	VPS29 MS Standard C13 and N15-labeled recombinant protein (NP_476528)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201460
Predicted MW:	20.9 kDa
Protein Sequence:	>RC201460 protein sequence Red=Cloning site Green=Tags(s) MAGHRLVLVLGDLHIPHCNSLPAKFKLLVPGKIQHILCTGNLCTKESYDYLKTLAGDVHIVRGDFDEN LNYPEQKVVTVGQFKIGLIHGQVIPWGDMSLALLQRQFDVDILISGHTHKFEAFEHENKFYINPGSAT GAYNALETNIIPSFVLMDIQASTVVVYVYQLIGDDVKVERIEYKKP 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	NP_476528
RefSeq Size:	1153
RefSeq ORF:	558
Synonyms:	DC7; DC15; PEP11
Locus ID:	51699
UniProt ID:	Q9UBQ0 , A0A384MR19

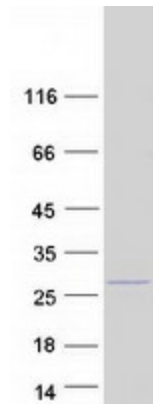


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Cytogenetics: 12q24.11

Summary: This gene belongs to a group of vacuolar protein sorting (VPS) genes that, when functionally impaired, disrupt the efficient delivery of vacuolar hydrolases. The protein encoded by this gene is a component of a large multimeric complex, termed the retromer complex, which is involved in retrograde transport of proteins from endosomes to the trans-Golgi network. This VPS protein may be involved in the formation of the inner shell of the retromer coat for retrograde vesicles leaving the prevacuolar compartment. Alternative splice variants encoding different isoforms and representing non-protein coding transcripts have been found for this gene. [provided by RefSeq, Aug 2013]

Product images:



Coomassie blue staining of purified VPS29 protein (Cat# [TP301460]). The protein was produced from HEK293T cells transfected with VPS29 cDNA clone (Cat# [RC201460]) using MegaTran 2.0 (Cat# [TT210002]).