

Product datasheet for PH306027

VPS45A (VPS45) (NM_007259) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	VPS45 MS Standard C13 and N15-labeled recombinant protein (NP_009190)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206027
Predicted MW:	65.1 kDa
Protein Sequence:	>RC206027 protein sequence Red=Cloning site Green=Tags(s)

MNVVFAVKQYISKMIEDSGPGMKVLLMDKETTGI VSMVYTQSEILQKEVYLFERIDSQNREIMKHLKAIC
FLRPTKENVDYIIQELRRPKYTIYFIYFSNVISKSDVKSLAEAEQEVVAEVQEFYGDYIAVNPFLFSLN
ILGCCQGRNWDPAQLSRTTQGLTALLLSLKKCPMIRYQLSSEAAKRLAECVKQVITKEYELFEFRRTEVP
PLLLILDRCDDAITPLLNQWYQAMVHELLGINNNRIDLSRVPGISKDLREVVLSAENDEFYANNMYLNF
AEIGSNIKNLMEDFQKKKPKQKLESIADMKAFVENYPQFKMSGTVSKHVTVVGELSRVLSERNLLEV
SEVEQELACQNDHSSALQNIKRLQNPKVTEFDAARLVMLYALHYERHSSNSLPLMMDLRNKGVSEKYR
KLVS AVVEYGGKRVRGSDLFSPKDAVAITKQFLKGLKGVENVYTOHPFLHETLDHLIKGRLENLYPYL
GPSTLRDRPQDIIVFVIGGATYEEALTVYNLNRTTPGVRIVLGGTTVHNTKSFLEEVLASGLHSRSKES
QVTSRSASRR

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_009190
RefSeq Size:	2824
RefSeq ORF:	1710



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Synonyms: H1; H1VPS45; SCN5; VPS45A; VPS45B; VPS54A; VSP45; VSP45A

Locus ID: 11311

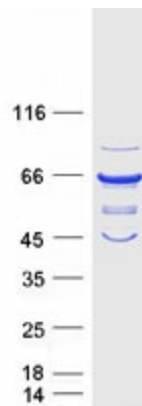
UniProt ID: [Q9NRW7](#)

Cytogenetics: 1q21.2

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 is a member of the Sec1 domain family, and shows a high degree of sequence similarity to mouse, rat and yeast Vps45. The exact function of this gene is not known, but its high expression in peripheral blood mononuclear cells suggests a role in trafficking proteins, including inflammatory mediators. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2013]

Protein Pathways: Endocytosis

Product images:



Coomassie blue staining of purified VPS45 protein (Cat# [TP306027]). The protein was produced from HEK293T cells transfected with VPS45 cDNA clone (Cat# [RC206027]) using MegaTran 2.0 (Cat# [TT210002]).