

Product datasheet for PH302151

VPS33A (NM_022916) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	VPS33A MS Standard C13 and N15-labeled recombinant protein (NP_075067)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202151
Predicted MW:	67.6 kDa
Protein Sequence:	>RC202151 protein sequence Red=Cloning site Green=Tags(s)

MAAHLISYGRVNLNVLREAVRRELREFLDKAGSKAIVWDEYLTGPFGLIAQYSLLKEHEVEKMFITLKGNR
LPAADVKNIIFFVRPRLELMDIIAENVLSEDRRGPTRDFHILFVPRRSLICEQRLKDLGVLGSGFIHREEY
SLDLIPFDGDLSSMESEGAFCYLEGDQTSLYHAAGLMTLQALYGTIPQIFGKGECARQVANMMIRMK
REFTGNSQNSIFPVFDNLLLDNRVNDLLTPLATQLTYEGLIDEIYGIQNSYVKLPPEKFAFKKQGGGKDL
PTEAKKLQNSAEELYAEIRDKNFNAVGSVLSKKAKIIISAAFEERHNAKTVEIKQFVSQPLPHMQAARG
LANHTSIAELIKDVTTSDFDKLTVQEFMSGIDTDKVNYYIEDCIAQKHSLIKVLRLVCLQSVCSGL
KQKVLDDYKREILQTYGYEHILTLHNLEKAGLLKPKQTGGRNNYPTIRKTLRLWMDVNEQNPTDISYVYS
GYAPLSVRLAQLLSRPGWRSIEEVLRLILPGPHFEERQPLPTGLQKKRQPGENRVTLIFFLGGVTFAEIAA
LRFLSQLEDGGTEYVIATTKLMNGTSWIEALMEKPF

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- 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.
RefSeq:	NP_075067
RefSeq Size:	2628
RefSeq ORF:	1788

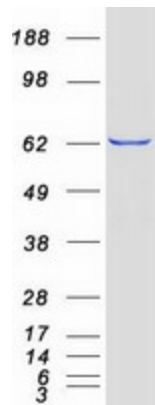


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Synonyms:	MPSPS
Locus ID:	65082
UniProt ID:	Q96AX1
Cytogenetics:	12q24.31
Summary:	

This gene encodes a tethering protein and a core subunit of the homotypic fusion and protein sorting (HOPS) complex. The HOPS complex and a second endosomal tethering complex called the class C core vacuole/endosome tethering (CORVET) complex, perform diverse functions in endocytosis including membrane tethering, RabGTPase interaction, activation and proofreading of synaptic-soluble N-ethylmaleimide-sensitive factor attachment receptor (SNARE) assembly to drive membrane fusion, and endosome-to-cytoskeleton attachment. The HOPS complex controls endosome maturation as well as endosome traffic to the lysosome. This complex is essential for vacuolar fusion and is required for adaptor protein complex 3-dependent transport from the golgi to the vacuole. The encoded protein belongs to the Sec1/Munc18 (SM) family of SNARE-mediated membrane fusion regulators. Naturally occurring mutations in this gene are associated with a novel mucopolysaccharidosis-like disease. [provided by RefSeq, Apr 2017]

Product images:



Coomassie blue staining of purified VPS33A protein (Cat# [TP302151]). The protein was produced from HEK293T cells transfected with VPS33A cDNA clone (Cat# [RC202151]) using MegaTran 2.0 (Cat# [TT210002]).