

Product datasheet for TP302151M

VPS33A (NM_022916) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human vacuolar protein sorting 33 homolog A (<i>S. cerevisiae</i>) (VPS33A), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202151 protein sequence Red=Cloning site Green=Tags(s)

MAAHLSYGRVNLNVLREAVRRELREFLDKCAGSKAIVWDEYLTGPFGLIAQYSSLKEHEVEKMFLLKGNR
LPAADVKNIIFFVRPRLELMDIIAENVLSEDRRGPTRDFHILFVPRRSLCEQLKDLGLVLSFIHREEY
SLDLIPFDGDLMSMESEGAFFKECYLEGDQTSLYHAAKGLMTLQALYGTIPQIFGKGECARQVANMMIRMK
REFTGSQNSIFPVFDNLLLLDRNVDLLTPLATQLTYEGLIDEIYGIQNSYVVKLPPEKFAPKKQGDGGKDL
PTEAKKLQLNSAEELYAEIRDKNFNAVGSVLSKKAKIISAAFEERHNAKTVGEIKQFVSQPLPHMQAARGS
LANHTSIAELIKDVTTSDFDKLTVQEFMSGIDTDKVNNYIEDCIAQKHSLIKVLRVCLQSVCSNGL
KQKVLDDYKREILQTYGYEHILTLHNLEKAGLLKPQTGGRNYPTRKTLRLWMDDVNEQNPTDISYVYS
GYAPLSVRLAQLLSRPGWRSIEEVLRLPGPHFEERQPLPTGLQKKRQPGENRVTLIFFLGGVTFAEIAA
LRFLSQLEDGGTEYVIATTKLMNGTSWIEALMEKPF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	67.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_075067](#)

Locus ID: 65082

UniProt ID: [Q96AX1](#)

RefSeq Size: 2628

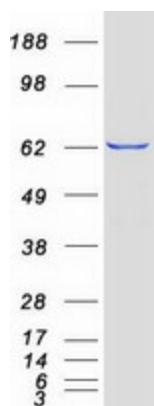
Cytogenetics: 12q24.31

RefSeq ORF: 1788

Synonyms: MPSPS

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]).