

Product datasheet for TP509292

Vps33a (NM_029929) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse VPS33A CORVET/HOPS core subunit (Vps33a), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209292 protein sequence Red =Cloning site Green =Tags(s)

MAAHLSYGRVNLNVLREAVRRELREFLDKCAGSKAIVWDEYLTGPFGLIAQYSSLKEHEVEKMFLLKGSRLPAADVKNIIFLVRPRLELMDIIAENVLSEDRRGPTRDFHILFVPRRLLCEQRLKDLGVLGFSFIHREEYSLDLIPFDGDLLSMESEGAFKECYLEGDQTSLYHAAKGLMTLQALYGTIPQIFGKGECARQVANMMVRMKREFTGSQNSVFPVFDNLLLLDRNVDLLTPLASQLTYEGLIDEIYGIQNSYVKLPPEKFAPKKQGGGSGGKDLPTAEKKLQLNSAEELYAEIRDKNFNNAVGSVLSKKAKIISAAFEERHNAKTVGEIKQFASQLPHMQAARGSLANHTSIAELIKDVTTSDFDKLTVEQEFMSGIDTDKVNYSIEDCIAQKHPLIKVLRVCLQSVCSNGLKQKVLDDYRREILQTYGYEHILTLNMLEKAGLLKAQTGGRRNNYPTIRKTLRLWMDDVNEQNPTDISVYSGYAPLSVRLAQLLSRPGWRSIEEVLRLPGPHFEERQPLPTGLQKKRQPGENRVTLVFFLGGVTFAEIAALRFLSQLEDGGTEYVIATTKLMNGNSWIEALMEKPF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	67.5 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq:	NP_084205
Locus ID:	77573
UniProt ID:	Q9D2N9
RefSeq Size:	4114
Cytogenetics:	5 63.03 cM
RefSeq ORF:	1797
Synonyms:	3830421M04Rik; AI503300; AW048546; AW554476; bf
Summary:	<p>Plays a role in vesicle-mediated protein trafficking to lysosomal compartments including the endocytic membrane transport and autophagic pathways. Believed to act as a core component of the putative HOPS and CORVET endosomal tethering complexes which are proposed to be involved in the Rab5-to-Rab7 endosome conversion probably implicating MON1A/B, and via binding SNAREs and SNARE complexes to mediate tethering and docking events during SNARE-mediated membrane fusion. The HOPS complex is proposed to be recruited to Rab7 on the late endosomal membrane and to regulate late endocytic, phagocytic and autophagic traffic towards lysosomes. The CORVET complex is proposed to function as a Rab5 effector to mediate early endosome fusion probably in specific endosome subpopulations. Required for fusion of endosomes and autophagosomes with lysosomes; the function is dependent on its association with VPS16 but not VIPAS39. The function in autophagosome-lysosome fusion implicates STX17 but not UVRAG.[UniProtKB/Swiss-Prot Function]</p>