

Product datasheet for PH303870

VPS33B (NM_018668) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	VPS33B MS Standard C13 and N15-labeled recombinant protein (NP_061138)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203870
Predicted MW:	70.6 kDa
Protein Sequence:	>RC203870 protein sequence Red=Cloning site Green=Tags(s)

MAFPHRPDAPELPDFSMLKRLARDQLIYLLEQLPGKKDLFIEADLMSPLDRIANVSIKQHEVDKLYKVE
NKPALSSNEQLCFLVPRPRIKNMRYIASLVNADKLAGRTRKYKVFSPQKFYACEMVLEEEGIYGDVSCDE
WAFSLLPLDVDLLSMELPEFFRDYFLEGDQRWINTVAQALHLLSTLYGPFPCYIGRCAK MAYELWRNL
EEEEEDGEKGRRPEIGHIFLLDRDVFVTALCSQVVEGLVDDTFRIKCGSVDFGPEVTSDDKSLKVLN
AEDKVFNEIRNEHFSNVFGFLSQKARNLQAQYDRRRGMDIKQMKNFVSQELKGLKQEHLLSLHIGACES
IMKKKTKQDFQELIKTEHALLEGFNIRESTSYIEEHIDRQVSPIESLRMLCLLSITENGLIPKDYRSLKT
QYLQSYGPEHLLTFSNLRRAGLLTEQAPGDTLTAVESKYSKLVTDKAAGKITDAFSSLAKRNSFRAISKK
LNLIPRVDEYDLKVPDMAYVFSGAYVPLSRIIEQVLERRSWQGLDEVVRLNCSDFAFDTMTKEDKA
SSESLRLILVFLGGCTFSEISALRFLGREKGYRFIFLTTAVTNSARLMEAMSEVKA

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_061138
RefSeq Size:	2795
RefSeq ORF:	1851



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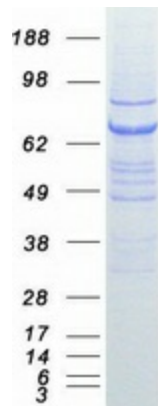
Locus ID: 26276

UniProt ID: [Q9H267](#), [A0A0S2Z577](#)

Cytogenetics: 15q26.1

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 Sec-1 domain family, and encodes the human ortholog of rat Vps33b which is homologous to the yeast class C Vps33 protein. The mammalian class C vacuolar protein sorting proteins are predominantly associated with late endosomes/lysosomes, and like their yeast counterparts, may mediate vesicle trafficking steps in the endosome/lysosome pathway. Mutations in this gene are associated with arthrogryposis-renal dysfunction-cholestasis syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]

Product images:



Coomassie blue staining of purified VPS33B protein (Cat# [TP303870]). The protein was produced from HEK293T cells transfected with VPS33B cDNA clone (Cat# [RC203870]) using MegaTran 2.0 (Cat# [TT210002]).