

Datasheet for ABIN7556013
VPS33A Protein (AA 1-596) (His tag)



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Overview

Quantity:	1 mg
Target:	VPS33A
Protein Characteristics:	AA 1-596
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VPS33A protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat VPS33A Protein expressed in mammalien cells.
Sequence:	MAAHLASYGRV NLNVLREAVR RELREFLDKC AGSKAIWDE YLTGPFGLIA QYLLKEHEV EKMFTLKGNR LPAADVKNII FFVRPRLELM DIIAENVLSE DRRGPTRDFH ILFVPRRSLL CEQRLKDLGV LGSFIHREEY SLDLIPFDGD LLSMESEGAF KECYLEGDQT SLYHAAKGLM TLQALYGTIP QIFGKGECAR QVANMMIRMK REFTGSQNSI FPVFDNLLLL DRNVDLLTPL ATQLTYEGLI DEIYGIQNSY VKLPPEKFAP KKQGDGGKDL PTEAKKLQLN SAEELYAEIR DKNFNAVGSV LSKKAKIISA AFEERHNAKT VGEIKQFVSQ LPHMQAARGS LANHTSIAEL IKDVTTSSEDF FDKLTVEQEF MSGIDTDKVN NYIEDCIAQK HSLIKVLRV CLQSVCSNGL KQKVLDDYYKR EILQTYGYEH ILTLHNLEKA GLLKPQTGGR NNYPTIRKTL RLWMDDVNEQ NPTDISYVYS GYAPLSVRLA QLLSRPGWRS IEEVLRILPG PHFEERQPLP TGLQKKRQPG ENRVTLIFFL GGVTFAEIAA LRFLSQLEDG GTEYVIATTK LMNGTSWIEA LMEKPF Sequence without tag. The proposed Purification-Tag is based on experiences with the expression

Product Details

system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

VPS33A

Alternative Name:

VPS33A ([VPS33A Products](#))

Background:

Vacuolar protein sorting-associated protein 33A (hVPS33A),FUNCTION: 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 (PubMed:23351085, PubMed:24554770, PubMed:25266290, PubMed:25783203). Required for

Target Details

fusion of endosomes and autophagosomes with lysosomes, the function is dependent on its association with VPS16 but not VIPAS39 (PubMed:25783203). The function in autophagosome-lysosome fusion implicates STX17 but not UVRAG (PubMed:24554770).

{ECO:0000269|PubMed:24554770, ECO:0000269|PubMed:25783203, ECO:0000305|PubMed:23351085, ECO:0000305|PubMed:25266290, ECO:0000305|PubMed:25783203}.

Molecular Weight: 67.6 kDa

UniProt: [Q96AX1](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months