

Product datasheet for SC301440

VPS8 (NM_001009921) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VPS8 (NM_001009921) Human Untagged Clone
Tag:	Tag Free
Symbol:	VPS8
Synonyms:	KIAA0804
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001009921 edited

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GCCGGCGGTCCACGGCCGAATGGCAGCAAGCTCAGAGATAATCATTGAGTCTTCGTGA
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TGTTAAACCTATTTGAGTGTAAGACTTGCCCTTTCTAACATAAATGCTCCGTGTTAA
AAAAAAAAAAAAAAAAAAAA

Restriction Sites:	Please inquire
ACCN:	NM_001009921
Insert Size:	5000 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to contain 6bp deletion compared with NM_001009921.1.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001009921.1, NP_001009921.1</u>
RefSeq Size:	5009 bp
RefSeq ORF:	4287 bp
Locus ID:	23355
UniProt ID:	<u>Q8N3P4</u>
Cytogenetics:	3q27.2
Gene Summary:	Plays a role in vesicle-mediated protein trafficking of the endocytic membrane transport pathway. Believed to act as a component of the putative CORVET endosomal tethering complexes which is 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 CORVET complex is proposed to function as a Rab5 effector to mediate early endosome fusion probably in specific endosome subpopulations (PubMed:25266290). Functions predominantly in APPL1-containing endosomes (PubMed:25266290).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longest isoform (a). Variants 1, 3, 4, 5, and 6 all encode the same isoform (a).

