

Recombinant Human VPS4A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. VPS4A-3913H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	VPS4A MS Standard C13 and N15-labeled recombinant protein (NP_037377) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a member of the AAA protein family (ATPases associated with diverse cellular activities), and is the homolog of the yeast Vps4 protein. In humans, two paralogs of the yeast protein have been identified. The former share a high degree of aa sequence similarity with each other, and also with yeast Vps4 and mouse Skd1 proteins. The mouse Skd1 (suppressor of K ⁺ transport defect 1) has been shown to be really an yeast Vps4 ortholog. Functional studies indicate that both human paralogs associate with the endosomal compartments, and are involved in intracellular protein trafficking, similar to Vps4 protein in yeast. The gene encoding this paralog has been mapped to chromosome 16; the gene for the other resides on chromosome 18.
Molecular Mass	48.9 kDa
AA Sequence	MTTSTLQKAIDLVTKATEEDKAKNYEEALRLYQHAVEYFLHAIKYEAHSDKAKESIRAKCVQYLDRAEKLKDYLRSEKKGKPKVKENQSEGKGSDDSDSEGDNPEKKKLQEQLMGAVVMEKPNIRWNDVAGLEGAKEALKEAVILPIKFPHLFTGKRTPWRGILLFGPPG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TGKSYLAKAVATEANNSTFFSVSSSDLMSKWLGESEKLVKNLFELARQHKPSIIFIDE
 VDSLCSRNENESEAARRIKTEFLVQMVGNNNDGTLVLGATNIPWVLDSAIRRR
 FEKRIYIPLPEEAARAQMFRHLHGSTPHNLTDANIELARKTEGYSGADISIIVRDSLM
 QPVRKVQSATHFKKVCGPSRTNPSMMIDLLTPCSPGDPGAMEMTWMDVPGDKLL
 EPVVCMSDMLRSLATTRPTVNADDLLKVKKFSEDFGQESTRTRPLEQKLISEEDLAA
 NDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name VPS4A vacuolar protein sorting 4 homolog A [Homo sapiens (human)]

Official Symbol VPS4A

Synonyms VPS4A; vacuolar protein sorting 4 homolog A (S. cerevisiae); vacuolar protein sorting 4A (yeast homolog), vacuolar protein sorting 4A (yeast); vacuolar protein sorting-associated protein 4A; FLJ22197; SKD1; SKD1A; SKD2; VPS4; VPS4 1; hVPS4; SKD1-homolog; vacuolar sorting protein 4; vacuolar protein sorting factor 4A; VPS4-1;

Gene ID 27183

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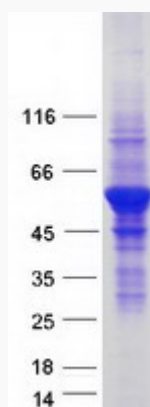
mRNA Refseq [NM_013245](#)

Protein Refseq [NP_037377](#)

MIM [609982](#)

UniProt ID [Q9UN37](#)

SDS-PAGE



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