



Recombinant Rat Vacuolar protein sorting-associated protein 4A (Vps4a)

Product Code	CSB-BP745124RA
Abbreviation	Vps4a
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q793F9
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	TTSTLQKAI DLVTKATEED KAKNYEEALR LYQHAVEYFL HAIKYEAHSD KAKESIRAKC MQYLDRAEKL KDYLNRKEKH GKPKVKENQS EGKGSDDSDSE GDNPEKKKLQ EQLMGAVVME KPNIRWNDVA GLEGAKEALK EAVILPIKFP HLFTGKRTPW RGILLFGPPG TGKSYLAKAV ATEANNSTFF SVSSDLMSK WLGSEKLVK NLFELARQHK PSIIFIDEVD SLCGSRNENE SEARRIKTE FLVQMGGVGN NNDGTLVLGA TNIPWVLSA IRRRFKRIY IPLPEEAARA QMFRLHLGST PHNLTDANIH ELARKTEGYS GADISIIVRD SLMQPVRKVQ SATHFKKVCG PSRTNPSVMI DDLLTPCSPG DPGAIENTWM DVPGDKLLEP VVCMSDMLRS LATRPTVNA DDLLKVKKFS EDFGQES
Source	Baculovirus
Target Names	Vps4a
Protein Names	Recommended name: Vacuolar protein sorting-associated protein 4A
Expression Region	2-437
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein 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 a 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.



Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.