Recombinant Mouse Vacuolar protein sorting-associated protein 4B (Vps4b)

Product Code	CSB-BP025915MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P46467
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MASTNTNLQK AIDLASKAAQ EDKAGNYEEA LQLYQHAVQY FLHVVKYEAQ GDKAKQSIRA KCTEYLDRAE KLKEYLKKKE KKPQKPVKEE QSGPVDEKGN DSDGEAESDD PEKKKLQNQL QGAIVIERPN VKWSDVAGLE GAKEALKEAV ILPIKFPHLF TGKRTPWRGI LLFGPPGTGK SYLAKAVATE ANNSTFFSIS SSDLVSKWLG ESEKLVKNLF QLARENKPSI IFIDEIDSLC GSRSENESEA ARRIKTEFLV QMQGVGVDND GILVLGATNI PWVLDSAIRR RFEKRIYIPL PEAHARAAMF RLHLGSTQNS LTEADFQELG RKTDGYSGAD ISIIVRDALM QPVRKVQSAT HFKKVRGPSR ADPNCIVNDL LTPCSPGDPG AIEMTWMDVP GDKLLEPVVS MWDMLRSLSS TKPTVNEQDL LKLKKFTEDF GQEG
Source	Baculovirus
Target Names	Vps4b
Protein Names	Recommended name: Vacuolar protein sorting-associated protein 4B Alternative name(s): Suppressor of K(+) transport growth defect 1 Short name= Protein SKD1
Expression Region	1-444
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 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. Mouse Skd1 (suppressor of K+ transport defect 1) has been shown to be 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 18; the gene for the other resides on chromosome 16.
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.