



Recombinant Rat Vacuolar protein sorting-associated protein 33B (Vps33b)

Product Code	CSB-EP730912RA
Abbreviation	Vps33b
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.	Q63616
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	AFPHRLDAP ELPDFSM LKR LARDQLIYLL EQLPGKKDLF IEADLMSPLD RIANVSILKQ HEVDKLYKVE NKLTLSSENEQ LCFLVRPRIK TMRYIANLVN ADKLAGRVRK YKIILSPQKF YACEMVLEEE GVGVDVSCDE WAFSLLPLDV DLLSMELPEF FRDYFLEGDQ RWINTVAQAL HLLSTLYGPF PNCYGIGRCT KMSYDLWRKL EEEEDSETKG RRPEIGHIFL LDRDVFVTA LCSQVVYEGL VDDTFRIKCG SVDFGPEVTS SDKSLKVLLN AEDKVFEIR NEHFSNVFGF LSQKARNLQA QYDRRRGMDI KQMKNFVSQE LKGLKQEHRL LSLHIGACES IMKKKTKQDF QELIKTEHAL LEGFNIREST SYIEEHIDRQ VSPIESLRLM CLLSITENGL IPKDYRSLKT QYLQSYGPEH LLTFSNLRRRA GLLTEQASGD TLTAVENKVS KLVTDKAAGK ITDAFSSLAK RSNFRAISK LNLIPRVDGE YDLKVPRDMA YVFSGAYVPL SCRIIEQVLD RRSWQGLDEV VRLNCS DFA FTDMAKEDKA SSESLRLILV VFLGGCTFSE ISALRFLGRE KGYRFIFLTT AVTNSARLME AMSEVK S
Source	E.coli
Target Names	Vps33b
Protein Names	Recommended name: Vacuolar protein sorting-associated protein 33B Short name= r-vps33b
Expression Region	2-617
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	Vesicle mediated protein sorting plays an important role in segregation of intracellular molecules into distinct organelles. Genetic studies in yeast have identified more than 40 vacuolar protein sorting (VPS) genes involved in vesicle transport to vacuoles. This gene is a member of the Sec-1 domain family, and encodes the human ortholog of rat Vps33b which is homologous to the yeast



class C Vps33 protein. The mammalian class C Vps proteins are predominantly associated with late endosomes/lysosomes, and like their yeast counterparts, may mediate vesicle trafficking steps in the endosome/lysosome pathway.

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.