Recombinant Rat V-type proton ATPase subunit C 1 (Atp6v1c1)

Product Code	CSB-MP708013RA
Abbreviation	Atp6v1c1
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.	Q5FVI6
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	TEFWLISAP GEKTCQQTWE KLHAATTKNN NLAVSSKFNI PDLKVGTLDV LVGLSDELAK LDAFVEGVVK KVAQYMADVL EDSKDKVQEN LLASGVDLVT YITRFQWDMA KYPIKQSLKN ISEIIAKGVT QIDNDLKSRA SAYNNLKGNL QNLERKNAGS LLTRSLAEIV KKDDFVLDSE YLVTLLVVVP KLNHNDWIKQ YETLAEMVVP RSSNVLSEDQ DSYLCNVTLF KKAVDDFRHK ARENKFIVRD FQYNEEEMRA DKEEMNRLST DKKKQFGPLV RWLKVNFSEA FIAWIHIKAL RVFVESVLRY GLPVNFQAML LQPNKKSVKK LREVLHELYK HLDSSAAAII DAPMDIPGLN LSQQEYYPYV YYKIDCNLLE FK
Source	Mammalian cell
Target Names	Atp6v1c1
Protein Names	Recommended name: V-type proton ATPase subunit C 1 Short name= V-ATPase subunit C 1 Alternative name(s): Vacuolar proton pump subunit C 1
Expression Region	2-382
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 gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of intracellular compartments of eukaryotic cells. V-ATPase dependent acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A and three B subunits, two G subunits plus the C, D, E, F, and H subunits. The V1 domain contains the ATP catalytic site. The V0 domain consists of five different subunits: a, c, c , c , and d. Additional isoforms of many of the V1 and V0 subunit proteins are encoded

	by multiple genes or alternatively spliced transcript variants. This gene is one of two genes that encode the V1 domain C subunit proteins and is found ubiquitously. This C subunit is analogous but not homologous to gamma subunit of F-ATPases. Previously, this gene was designated ATP6D.
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.