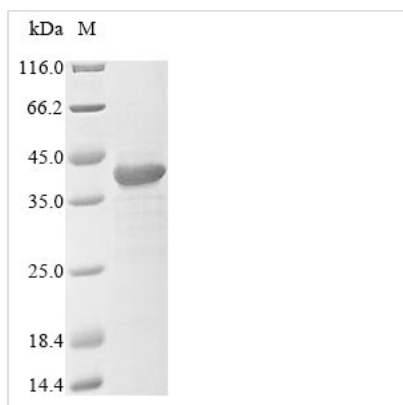


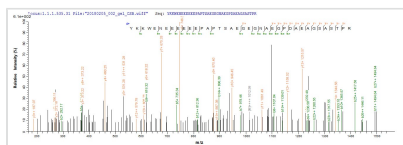


Recombinant Mouse Voltage-gated hydrogen channel 1 (Hvcn1)

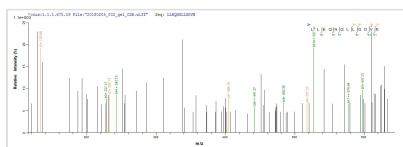
Product Code	CSB-CF661026MO
Relevance	Mediates the voltage-dependent proton permeability of excitable membranes. Forms a proton-selective channel through which protons may pass in accordance with their electrochemical gradient. Proton efflux, accompanied by membrane depolarization, facilitates acute production of reactive oxygen species in phagocytosis.
Abbreviation	Recombinant Mouse Hvcn1 protein
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.	Q3U2S8
Product Type	Transmembrane Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥ 85% as determined by SDS-PAGE.
Sequence	MTSHDPKAVTRRTKVAPTKRMSRFLKHFTVVGDDYHTWNVNYKKWENEEEE EEPAP TSAEGEGNAEGPD AEAGSASTPRQSLDFRSRLRKL FSSH RFQV IICLV VLDALLVLAELL LLDLKI IEPDEQDYAVTAFHYMSFAILVFFM LEIFFKIFVFRLEFF HHKFEILDAFVVVVSFVLDLVLLFKSHHFEALGLLILLRLWRVARIINGIIISVKTRS ERQILRLKQINIQLATKIQHLEFSCSEKEQEIERLNKLLKQNGLLGDVN
Research Area	Immunology
Source	in vitro E.coli expression system
Target Names	Hvcn1
Protein Names	Hydrogen voltage-gated channel 1 Short name: HV1 Voltage sensor domain-only protein Short name: mVSOP Bts, Vsop
Expression Region	1-269aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged
Mol. Weight	36.7 kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-CF661026MO could indicate that this peptide derived from E.coli-expressed Mus musculus (Mouse) Hvcn1.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-CF661026MO could indicate that this peptide derived from E.coli-expressed Mus musculus (Mouse) Hvcn1.

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.