

Recombinant Mouse Hvcn1 Protein, Myc/DDK-tagged

Cat. No. Hvcn1-3463M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length hydrogen voltage-gated channel 1 (Hvcn1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	31.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Hvcn1 hydrogen voltage-gated channel 1 [Mus musculus (house mouse)]
Official Symbol	Hvcn1
Synonyms	HVCN1; hydrogen voltage-gated channel 1; voltage-gated hydrogen channel 1; HV1; voltage sensor domain-only protein; BTS; Vsop; mVSOP; AI450555; 0610039P13Rik
Gene ID	74096
mRNA Refseq	NM_001042489
Protein Refseq	NP_001035954
UniProt ID	Q3U2S8

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