

## Product datasheet for **TP503573**

### Hvcn1 (NM\_001042489) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse hydrogen voltage-gated channel 1 (Hvcn1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR203573 representing NM_001042489 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MTSHDPKAVTRRTKVAPTKRMSRFLKHFTVGGDDYHTWNVNYKKWENEEEEEPAP TSAEGEGNAEGPDA  
EAGSASTPRQSLDFRSRLRKLFSHRFQVIII CLVLDALLVLAELLLDLKII EPDEQDYAVTAFHYMSF  
AILVFFMLEIFFKIFVFRLEFFHHKFEILD AFVVVVSFVLDLVLLFKSHHFEALGLLLRLWRVARIIN  
GIIISVKTRSERQILRLKQINIQLATKIQHLEFSCSEKEQEIERLNKLLKQNGLLGDVN

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	31.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_001035954</a>
Locus ID:	74096
UniProt ID:	<a href="#">Q3U2S8</a>
RefSeq Size:	2782



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**Cytogenetics:** 5 F

**RefSeq ORF:** 807

**Synonyms:** 0610039P13Rik; AI450555; BTS; HV1; mVSOP; Vsop.

**Summary:** 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.[UniProtKB/Swiss-Prot Function]