

Recombinant Human HVCN1 protein, His-tagged

Cat. No. HVCN1-1410H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HVCN1 protein(NP_001035196.1)(Met1~Val138) was fused to His Tag and expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	Met1~Val138
Description	This gene encodes a voltage-gated protein channel protein expressed more highly in certain cells of the immune system. Phagocytic cells produce superoxide anions which require this channel protein, and in B cells this same process facilitates antibody production. This same channel protein, however, can also regulate functions in other cells including spermatozoa. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Molecular Mass	13/14kDa(Analysis of differences refer to the manual)
AA Sequence	MATWDEKAVTRRAKVAPAERMSKFLRHFTVVGDDYHAWNINYKKWENEEEEEEEE QPPPTPVSGEEGRAAAPDVAPAPGPAPRAPLDFRGMLRKLFSSHRFQVHICLVLD ALLVLAELILDLKIIQPDKNNYAAMV

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Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 80%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. (May be suitable for use in other assays to be determined by the end user.)
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200g/mL
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	HVCN1
Official Symbol	HVCN1
Synonyms	Hv1, VSOP, Voltage Sensor Domain-Only Protein, Hydrogen voltage-gated channel 1
Gene ID	84329
mRNA Refseq	NM_001040107.2

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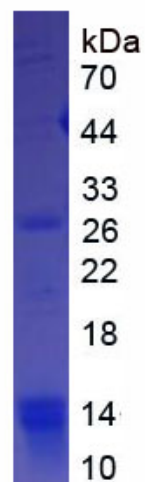
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Protein Refseq NP_001035196.1

UniProt ID Q96D96

**SDS-PAGE of
HVCN1-1410H**



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