

Recombinant Human HVCN1, GST-tagged

Cat. No. HVCN1-14017H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HVCN1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-103a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	HVCN1 hydrogen voltage-gated channel 1 [Homo sapiens]
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Official Symbol	HVCN1
Synonyms	HVCN1; hydrogen voltage-gated channel 1; voltage-gated hydrogen channel 1; Hv1; MGC15619; voltage sensor domain only protein; VSOP; voltage sensor domain-only protein; HV1;
Gene ID	84329
mRNA Refseq	NM_001040107
Protein Refseq	NP_001035196
MIM	611227
UniProt ID	Q96D96
Chromosome Location	12q24.11
Function	voltage-gated ion channel activity; voltage-gated proton channel activity; voltage-gated proton channel activity;