

Recombinant Human JPH2 Protein, His-tagged

Cat. No. JPH2-2350H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human JPH2 Protein (Arg5-Ser301) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Arg5-Ser301
Description	Junctional complexes between the plasma membrane and endoplasmic/sarcoplasmic reticulum are a common feature of all excitable cell types and mediate cross talk between cell surface and intracellular ion channels. The protein encoded by this gene is a component of junctional complexes and is composed of a C-terminal hydrophobic segment spanning the endoplasmic/sarcoplasmic reticulum membrane and a remaining cytoplasmic domain that shows specific affinity for the plasma membrane. This gene is a member of the junctophilin gene family. Alternative splicing has been observed at this locus and two variants encoding distinct isoforms are described.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 35 kDa Accurate Molecular Mass: 42 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	JPH2 junctophilin 2 [Homo sapiens (human)]
Official Symbol	JPH2
Synonyms	JPH2; junctophilin 2; JP2; JP-2; CMD2E; CMH17
Gene ID	57158
mRNA Refseq	NM_020433
Protein Refseq	NP_065166
MIM	605267

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UniProt ID

Q9BR39

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