

## Recombinant Human JPH2 Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human JPH2 Protein (Arg5-Ser301) with a N-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Arg5-Ser301
<b>Description</b>	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.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 35 kDa Accurate Molecular Mass: 42 kDa
<b>Endotoxin</b>	<1.0 EU per 1g (determined by the LAL method).

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<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

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

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UniProt ID

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