Recombinant Full Length Human JPH2 Protein, C-Flag-tagged

Cat. No. JPH2-1548HFL **Lot. No.** (See product label)

SPECIFICATION

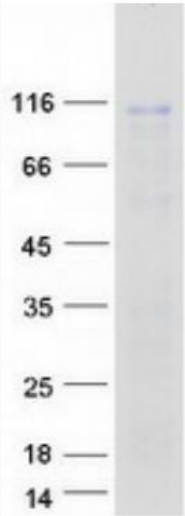
Product Overview	Recombinant Full Length Human JPH2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Junctional complexes between the plasma membrane and endoplasmic/sarcoplasmic reticulum are a common feature of all excitable 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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	74 kDa
AA Sequence	MSGGRFDFDDGGAYCGGWEGGKAHGHGLCTGPKGQGEYSGSWNFGFEVAGVYT WPSGNTFEGYWSQGKRH GLGIETKGRWLYKGEWTHGFKGRYGIRQSSSSGAKYE GTWNNGLQDGYGTETYADGGTYQGQFTNGMRHG YGVRQSVPYGMAVVVRSPLR TSLSSLRSEHSNGTVAPDSPASPASDGPALPSPAIPRGGFALSLLANAEA AARAPK GGGLFQRGALLGKLRRAESRTSVGSQRSRVSFLKSDLSSGASDAASTASLGEAAEG

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	ADEAAPFE ADIDATTTETYMGEWKNDKRSGFGVSERSSGLRYEGEWLDNLRHGY GCTTLPDGHREEGKYRHNVLVKDT KRRMLQLKSNKVRQKVEHSVEGAQRAAAIAR QKAEIAASRTSHAKAKAEAAEQAALAANQESNIARTLAR ELAPDFYQPGPEYQKRR LLQEILENSESLLEPPDRGAGAAGLPQPPRESPQLHERETPRPEGGSPSPAGT PPQ PKRPRPGVSKDGLLSPGAWNGEPSGEGSRSVTPSEGAGRRSPARPATERMAIEAL QAPPAPSREPEV ALYQGYHSYAVRTTPPEPPPFEDQPEPEVSGSESAPSSPATAPL QAPTLRGPEPARETPAKLEPKPIIPK AEPRAKARKTEARGLTKAGAKKKARKEAALA AEAEVEVEEVPNTILICMVILLNIGLAILFVHLLTTRTRPLEQKLISEEDLAANDILDYKD DDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transmembrane
Full Length	Full L.

GENE INFORMATION

Gene Name	JPH2 junctophilin 2 [Homo sapiens (human)]
Official Symbol	JPH2

Synonyms	JP2; JP-2; CMD2E; CMH17
Gene ID	57158
mRNA Refseq	NM_020433.5
Protein Refseq	NP_065166.2
MIM	605267
UniProt ID	Q9BR39
	 Coomassie blue staining of purified JPH2 protein.

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