

## Product datasheet for **TP308221M**

### JPH4 (NM\_032452) Human Recombinant Protein

#### Product data:

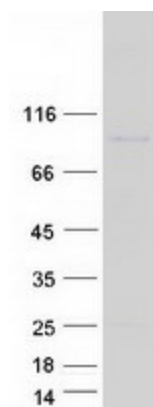
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human junctophilin 4 (JPH4), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208221 representing NM_032452 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MSPGGKFDFFDDGGCYVGGWEAGRAHG YGVCTGPGAQGEYSGCWAHGFESLGVFTGPGGHSYQGHWQQGKR EGLGVERKSRW TYRGEWLGGLKGRSGVWESV SGLRYAGLWKDGFQDGYGTETYS DGGTYQGQWQAGKRHG YGVRQSVPYHQ AALLRSPRRTSLDSGHSDPPTPPP LPLPGDEGGSPASGSRGGFVLAGPGDADGASSRK RTPAAGGFFRRS LLLSGLRAGGRRSSLGSKRGLRSEVSSEV GSTGPPGSEASGPPAAAPPALIEGSATE VYAGEWRADRR SFGVRSNGLRYEGEWLGNQRHGYGRTRTRPDGSREEGKYKRNLVHGGRVRSLLPLA LRRGKVKEKVDRAVEGARRAVSAARQRQEIAAARAADALLKAVAASSVAEKAVEAARMAKLIAQDLQ PML EAPGRRPRQDSEGS DTEPLDEDS PGVYENGLTPSEGSP ELPSSPASSRQPWRPPACRSPLPPGGDQGPFS SPKAWPEEWGGAGAQAEELAGYEADEAGMQGPGPRDGSPLLGGCSDSSGSLREEEGEDEEPLPLRAPA GTEPEPIAMLVLRGSSSRGH DAGCLTEELGEP AATERPAQP GAAANPLVGVAVALLDLSLAF LFSQLLT  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	65.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_115828</a>
<b>Locus ID:</b>	84502
<b>UniProt ID:</b>	<a href="#">Q96J16</a>
<b>RefSeq Size:</b>	4396
<b>Cytogenetics:</b>	14q11.2
<b>RefSeq ORF:</b>	1884
<b>Synonyms:</b>	JP4; JPHL1
<b>Summary:</b>	This gene encodes a member of the junctophilin family of transmembrane proteins that are involved in the formation of the junctional membrane complexes between the plasma membrane and the endoplasmic/sarcoplasmic reticulum in excitable cells. The encoded protein contains a conserved N-terminal repeat region called the membrane occupation and recognition nexus sequence that is found in other members of the junctophilin family. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2009]

### Product images:



Coomassie blue staining of purified JPH4 protein (Cat# [TP308221]). The protein was produced from HEK293T cells transfected with JPH4 cDNA clone (Cat# [RC208221]) using MegaTran 2.0 (Cat# [TT210002]).