

## Product datasheet for **TP509574**

### Jph4 (NM\_177049) Mouse Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Purified recombinant protein of Mouse junctophilin 4 (Jph4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

**Species:** Mouse

**Expression Host:** HEK293T

**Expression cDNA** >MR209574 protein sequence

**Clone or AA** **Red**=Cloning site **Green**=Tags(s)

**Sequence:**

MSPGGKFDFFDDGGCYVGGWEAGRAHGYGVCTGPGAQGEYSGCWAHGFESLGVFTGPGGHSYQGHWQQGKR  
EGLGVERKSRWYRGEWLGGLKGRSGVWESVGLRYAGLWKDGFQDGYGTETYSDDGGTYQGQWQAGKRHG  
YGVRQSVYPYHQAALLRSPRRTSLDSGHSDPPTPPPPLPLPGDEGGSPASGSRGGFVLAGPGDADGASSRK  
RTPAAGGFFRRSLLLSGLRAGRRSSLGSKRGLRSEVSSEVGSTGPPGSEASGPPIPAPPALIEGSATE  
VYAGEWRADRRSGYGVSQRSNGLRYEGEWLGNRRHGYGRTRPDGSREEGKYKRNLVHGGRVRSLLPLA  
LRRGKVKKEVDRAVEGARRAVSAARQRQEIAAARAADALLKAVAASSVAEKAVEAARMAKLIAQDLQPMML  
EAPGRRPRQDSGGSDTEPLDEDSPGVYENGLTPSEGSPELPSSPASSHQPWRAPACRSPLPPGGNWWGPFPS  
SPKAWPEEWGGPGEQAEELAGYEADEAGVQGPGRDGSPLLGGCSDSSGSLREEEGEDEESLPQLRAPG  
GSESEPVTTPVLRGLSSRGPDAGCLTEEVEEPAPTERPAQPGAANPLVVGAVALLDLSLAFLLFSQLLT

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-MYC/DDK

**Predicted MW:** 66 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

**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 after receiving vials.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_796023](#)

Locus ID: 319984

UniProt ID: [Q80WT0](#)

RefSeq Size: 4489

Cytogenetics: 14 C3

RefSeq ORF: 1887

Synonyms: 9330157P13Rik; JP-4; JPHL1

**Summary:** Junctophilins contribute to the formation of junctional membrane complexes (JMCs) which link the plasma membrane with the endoplasmic or sarcoplasmic reticulum in excitable cells. Provides a structural foundation for functional cross-talk between the cell surface and intracellular calcium release channels. JPH4 is brain-specific and appears to have an active role in certain neurons involved in motor coordination and memory.[UniProtKB/Swiss-Prot Function]