

Recombinant Mouse Jph4 Protein, Myc/DDK-tagged

Cat. No. Jph4-3637M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length junctophilin 4 (Jph4), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	66 kDa
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 after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Jph4 junctophilin 4 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Jph4](#)

Synonyms [Jph4](#); [junctophilin 4](#); [JP-](#); [JPH](#); [JP-4](#); [JPHL1](#); [9330157P13Rik](#); [junctophilin-4](#); [junctophilin-like 1 protein](#)

Gene ID [319984](#)

mRNA Refseq [NM_177049](#)

Protein Refseq [NP_796023](#)

UniProt ID [Q80WT0](#)

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