

Datasheet for ABIN7554292

## Junctophilin 4 Protein (JPH4) (AA 1-628) (His tag)



[Go to Product page](#)

### Overview

Quantity:	1 mg
Target:	Junctophilin 4 (JPH4)
Protein Characteristics:	AA 1-628
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Junctophilin 4 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant JPH4 Protein expressed in mammalian cells.
Sequence:	<p>MSPGGKFD FD DGGCYVGGWE AGRAHGYGVC TGPGAQGEYS GCWAHGFESL GVFTGPGGHS</p> <p>YQGHWQQGKR EGLGVERKSR WTYRGEWLGG LKGRSGVWES VSGLRYAGLW KDFQDGYGT</p> <p>ETYS DGGTYQ GQWQAGKRHG YGVRQSVYPH QAALLRSPRR TSLDSGHS DP PTPPPPLPLP</p> <p>GDEGGSPASG SRGGFVL AGP GDADGASSRK RTPAAGGFFR RSLLLSGLRA GGRRSSLGSK</p> <p>RGSLRSEVSS EVGSTGPPGS EASGPPAAAP PALIEGSATE VYAGEWRADR RSGFGVSQRS</p> <p>NGLRYEGEWL GNRRHGYGRT TRPDGSREEG KYKRNLVHG GRVRSLLPLA LRRGKVKEKV</p> <p>DRAVEGARRA VSAARQRQEI AAARAADALL KAVAASSVAE KAVEAARMAK LIAQDLQPML</p> <p>EAPGRRPRQD SEGSDTEPLD EDSPGVYENG LTPSEGSP EL PSSPASSRQP WRPPACRSPL</p> <p>PPGGDQGPFS SPKAWPEEWG GAGAQAEELA GYEADEAGM QGPGPRDGSP LLGGCSDSSG</p> <p>SLREEEGEDE EPLPPLRAPA GTEPEPIAML VLRGSSSRGP DAGCLTEELG EPAATERPAQ</p> <p>PGAANPLVVG AVALLDLSLA FLFSQLLT <b>Sequence without tag. The proposed Purification-Tag</b></p> <p><b>is based on experiences with the expression system, a different complexity of the protein</b></p>

**could make another tag necessary. In case you have a special request, please contact us.**

**Specificity:** If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

**Characteristics:** **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

**Purity:** > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

**Grade:** custom-made

## Target Details

**Target:** Junctophilin 4 (JPH4)

**Alternative Name:** JPH4 ([JPH4 Products](#))

**Background:** Junctophilin-4 (JP-4) (Junctophilin-like 1 protein),FUNCTION: 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 (By similarity). {ECO:0000250}.

**Molecular Weight:** 65.9 kDa

**UniProt:** [Q96JJ6](#)

## Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months