

Datasheet for ABIN7565073

Junctophilin 1 Protein (JPH1) (AA 1-660) (His tag)



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Overview

Quantity:	1 mg
Target:	Junctophilin 1 (JPH1)
Protein Characteristics:	AA 1-660
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Junctophilin 1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Jph1 Protein expressed in mammalian cells.
Sequence:	<p>MTGGRFDFDD GGTTCGGWEE GKAHGHGICT GPKGQGEYSG SWSHGFEVVG VYTWPSGNTY</p> <p>QGYWAQGKRH GLGVETKGKW MYRGEWSHGF KGRYGVRQSL CTPARYEGTW SNGLDQGYGV</p> <p>ETYGDGGTYQ GQWAGGMRHG YGVRQSVPYG MATVIRSLR TSLASLRSEQ SNGSVLHEAA</p> <p>AAAADSPAGT RGGFVLNFHA DTELGKKKGG LFRRGSLLGS MKLRKSES KS SISSKRSSVR</p> <p>SDAAMSRIS SDANSTISFG DVDCDFCPVE DHVDATTET YMGWKNDKR NGFGISERSN</p> <p>GMKYEGEWAN NKRHGYGCTV FPDGSKEEGK YKNNILVRGI RKQLPIRNT KTREKVDRAI</p> <p>EGAQRAAAMA RTKVEIAN SR TAHARAKADA ADQAALAA RQ ECDIARA VAR ELSPDFYQPG</p> <p>PDYIKQRCQE GGDIKENPEE KVLEKPPSPK ESPHFYRKGT TPRSPESP KQSHSPQPSS</p> <p>PEPSKKQNPS PGARLSQDKQ SLAEEQVTAF VNKPSMSKAP AKELGASVSK YSGRHHVPNP</p> <p>SNGELHSQYH GYYVKLNTPQ HPPEDREDDR GVSQSSSALV PRPSPNKGWP PKSVTKPVAK</p> <p>ESKTEPKAKK SELAIPKNPA SNTDCPSLEK EANS GPNSIM IVLVM LLNIG LAILFVHFLT Sequence</p>

without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

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, Western Blot

Grade:

custom-made

Target Details

Target:

Junctophilin 1 (JPH1)

Alternative Name:

Jph1 ([JPH1 Products](#))

Background:

Junctophilin-1 (JP-1) (Junctophilin type 1),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. JPH1 contributes to the construction of the skeletal muscle triad by linking the t-tubule (transverse-tubule) and SR (sarcoplasmic reticulum) membranes. {ECO:0000269|PubMed:11535622, ECO:0000269|PubMed:12135771, ECO:0000269|PubMed:12729900}.

Molecular Weight:

71.9 kDa

UniProt:

[Q9ET80](#)

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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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