

Datasheet for ABIN7546757

CATSPER4 Protein (AA 1-472) (His tag)



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Overview

Quantity:	1 mg
Target:	CATSPER4
Protein Characteristics:	AA 1-472
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CATSPER4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CATSPER4 Protein expressed in mammalian cells.
Sequence:	<p>MRDNEKAWWQ QWTSHTGLEG WGGTQEDRMG FGGAVAALRG RPSPLQSTIH ESYGRPEEQV LINRQEITNK ADAWDMQEFI THMYIKQLLR HPAFQLLLAL LLVINAITIA LRTNSYLDQK HYELFSTIDD IVLTILLCEV LLGWLNGFWI FWKDGWNILN FIIVFILLR FFINEINIPS INYTLRALRL VHVCMAVEPL ARIIRVILQS VPDMANIMVL ILFFMLVFSV FGVTLFGAFV PKHFQNIQVA LYTLFICITQ DGWVDIYSD FQTEKREYAME IGGAIYFTIF ITIGAFIGIN LFVIVTTNL EQMMKAGEQG QQQRITFSET GAEIEEEENDQ LPLVHCVVAR SEKSGLLQEP LAGGPLSNLS ENTCDNFCLV LEAIQENLRQ YKEIRDELNM IVEEVRAIRF NQEQESEVLN RRSSTSGSLE TTSSKDIRQM SQQQDLLSAL VSMEKVHDSS SQILLKKHKS SH Sequence 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.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

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:

CATSPER4

Alternative Name:

CATSPER4 ([CATSPER4 Products](#))

Background:

Cation channel sperm-associated protein 4 (CatSper4),FUNCTION: Voltage-gated calcium channel that plays a central role in calcium-dependent physiological responses essential for successful fertilization, such as sperm hyperactivation, acrosome reaction and chemotaxis towards the oocyte. {ECO:0000269|PubMed:21412338, ECO:0000269|PubMed:21412339}.

Molecular Weight:

54.1 kDa

UniProt:

[Q7RTX7](#)

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