

Datasheet for ABIN7564835

CATSPER1 Protein (AA 1-686) (His tag)



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Overview

Quantity:	1 mg
Target:	CATSPER1
Protein Characteristics:	AA 1-686
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CATSPER1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Catsper1 Protein expressed in mammalian cells.
Sequence:	MDQSSRRDES YHETHPGSLD PSHQSHPPH PHPTLHRPNQ GGVYYDSPQH GMFQQPYQQH GGFHQQNELQ HREFSDSHD NAFSHHSYQQ DRAGVSTLPN NISHAYGGSH PLAESQHSGG PQSGPRIDPN HHPHQDDPHR PSEPLSHPSS TGSHQGTTHQ QYHERSHHLN PQQNRDHADT ISYRSSTRFY RSHAPFSRQE RPHLHADHHH EGHHAHSHHG EHPHHKEQRH YHGDHMHMHHI HHRSPSASQL SHKSHSTLAT SPSHVGSKST ASGARYTFGA RSQIFGKAQS RESLRESASL SEGEDHVQKR KKAQRAHKKA HTGNIFQLLW EKISHLLLGL QQMILSLTQS LGFETFIFIV VCLNTVILVA QTFTLEIRG EWYFMVLDSI FLSIYVLEAV LKLIALGLEY FYDPWNNLDF FIMVMAVLDF VLLQINSLSY SFYNHSLFRI LKVFKSMRAL RAIRVLRRLS ILTSLHEVAG TLGSLPSIT AILTLMFTCL FLFSVVLRLAL FQDSDPKRFQ NIFTTLFTLF TMLTLDDWSL IYIDNRAQGA WYIIPILMIY IVIQYFIFLN LVIAVLVDNF QMALLKGLEK VKLEQAARVH EKLLDDSLTD LNKADANAQM TEEALKMQLI EGMFGNMTVK QRVLHFQFLQ LVAAVEQHQQ KFRSQAYVID

ELVDMAFEAG DDDYGK **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.**

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:

CATSPER1

Alternative Name:

Catsper1 ([CATSPER1 Products](#))

Background:

Cation channel sperm-associated protein 1 (CatSper1),FUNCTION: Voltage-gated calcium channel that plays a central role in sperm cell hyperactivation. Controls calcium entry to mediate the hyperactivated motility, a step needed for sperm motility which is essential late in the preparation of sperm for fertilization. Activated by intracellular alkalinization.
{ECO:0000269|PubMed:11595941, ECO:0000269|PubMed:14657352, ECO:0000269|PubMed:16036917, ECO:0000269|PubMed:16467839, ECO:0000269|PubMed:17174296}.

Molecular Weight:

78.7 kDa

UniProt:

[Q91ZR5](#)

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