

Datasheet for ABIN7558936

CATSPER4 Protein (AA 1-442) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CATSPER4
Protein Characteristics:	AA 1-442
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CATSPER4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Catsper4 Protein expressed in mammalien cells.
Sequence:	MSEKHKWWQQ VENIDITHLG PKRKAYELLG RHEEQVLINR RDVMEKKDAW DVQEFITQMY IKQLLRHPAF QLLLAFLLLS NAITIALRTN SYLGQKHYEL FSTIDDIVLT ILICEVLLGW LNGFWIFWKD GWNILNFAIV FILFMGFFIK QLDMVAITYP LRVLRLVHVC MAVEPLARII KVILQSMPDL ANVMALILFF MLVFSVFGVT LFGAFVPKHF QNMGVALYTL FICITQDGWL DIYTDFQMDE REYAMEVGGA IYFAVFITLG AFIGNLFFV VTTNLEQMM KTGEEEGHLN IKFTETEED E DWTDELPLVH CTEARKDTST VPKEPLVGGP LSNLTEKTCDFCLVLEAIQ ENLMEYKEIR EELNMIVEEV SSIRFNQEQQ NVILHKYTSK SATFLSEPPE GANKQDLITA LVSREKVSIDS NINMVNKHKF 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.
Characteristics:	Key Benefits:

Product Details

- 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: 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 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:17227845, ECO:0000269|PubMed:17344468}.

Molecular Weight: 51.1 kDa

UniProt: [Q8BVN3](#)

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.

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