

Datasheet for ABIN7561953

CATSPER2 Protein (AA 1-588) (His tag)



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Overview

Quantity:	1 mg
Target:	CATSPER2
Protein Characteristics:	AA 1-588
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CATSPER2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Catsper2 Protein expressed in mammalian cells.
Sequence:	<p>MAQEQGHFQL LRADAIRSKL IDTFSLIEHL QGLSQAVPRH TLREILDPSY QQKLMSGDQE</p> <p>QLVRFSIKPR RMGHITHSRR LLSRLRVRCR RMPPLSLWAG WVLDSVFSK FIISLIFLNT</p> <p>FVLMVEIEM ESTNTALWPV KLALEVADWF ILLSFIVEIL LMWLASFSLF WKDAWNVDFD</p> <p>FVTLLSLLPE LVVLLGVPAP SVWLQLLRVC RVLRLSLKLF RFRQIKVILL ALVRALKSMT</p> <p>FLLMLLLIFF YIFAVTGVYF FREYSRSTIE GLEYNMFFSD LLNSLVTVFI LFTLDHWYAV</p> <p>LQDIWKVPES SRVFSSIVYI LWLLGSIIF RNIIVAMMVT NFQNIRESLS EEMSHLEVQY</p> <p>KADMFKQKQII QRRQHSESLR GTSLGKVSDD IETSDASDD DDDDDDDDDDD DDDDDDDKSD</p> <p>ATESDNEESD SENSESENSE SEKIDPEKDY AKKSYPEKSH PEKSYPEKSH PEKSYPEKSH</p> <p>PKKSYDEQAE AEKVKEESKE KAYPVSHSIS SHGSTAADTA FLENLDWETL VHNLPLGLMD</p> <p>MDQDDRIVWP RDSLFRYFEL LEKLQYNLEE RKKLQFAVQ ALMSFEDK Sequence without tag.</p> <p>The proposed Purification-Tag is based on experiences with the expression system, a</p>

different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	CATSPER2
Alternative Name:	Catsper2 (CATSPER2 Products)
Background:	<p>Cation channel sperm-associated protein 2 (CatSper2),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.</p> <p>{ECO:0000269 PubMed:14657366, ECO:0000269 PubMed:16036917, ECO:0000269 PubMed:17174296}.</p>
Molecular Weight:	68.6 kDa
UniProt:	A2ARP9

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