

Datasheet for ABIN7553586

CATSPER1 Protein (AA 1-780) (His tag)



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Overview

Quantity:	1 mg
Target:	CATSPER1
Protein Characteristics:	AA 1-780
Origin:	Human
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:	<p>MDQNSVPEKA QNEADTNAD RFFRSHSSPP HHRPGHSRAL HHYELHHHGV PHQRGESHHHP</p> <p>PEFQDFHDQA LSSHVHQSHH HSEARNHGRA HGPTGFGGLAP SQGAVPSHRS YGEDYHDELQ</p> <p>RDGRRHHDGS QYGGFHQQSD SHYHRGSHHG RPQYLGENLS HYSSGVPHHG EASHHGGSYL</p> <p>PHGPNPYSES FHHSEASHLS GLQHDESHHH QVPHRGWPHH HQVHHHGRSR HHEAHQHGS</p> <p>PHHGETISPH SSVGSYQIRG SDYHSEYHQG DHHHPSEYHHG DHPHHTQHYY HQTHRHRDYH</p> <p>QHQDHHGAYH SSYLHGDYVQ STSQLSIPHT SRSLIHDAPG PAASRTGVFP YHVAHPRGSA</p> <p>HSMTRSSSTI RSRVTQMSKK VHTQDISTKH SEDWGKEEGQ FQKRKTGRLQ RTRKKGHSTN</p> <p>LFQWLWEKLT FLIQGFREMI RNLTQSLAFE TFIFFVCLN TVMLVAQTFA EVEIRGEWYF</p> <p>MALDSIFFCI YVVEALLKII ALGLSYFFDF WNNLDFFIMA MAVLDFLLMQ THSFAIYHQS</p> <p>LFRILKVFKS LRALRAIRVL RRLSFLTSVQ EVTGTLGQSL PSIAAILILM FTCLFLFSAV</p> <p>LRALFRKSDP KRFQNIFFTI FTLFTLLTLD DWSLIYMSDR AQGAWYIPI LVIYIIQYF IFLNLVITVL</p>

VDSFQTALFK GLEKAKQERA ARIQEKLLD SLTELRAAEP KEVASEGTM LKRLIEKKFGT
MTEKQQELLF HYLQLVASVE QEQQKFRSQA AVIDEIVDTT FEAGEEDFRN **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:	<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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	CATSPER1
Alternative Name:	CATSPER1 (CATSPER1 Products)
Background:	Cation channel sperm-associated protein 1 (CatSper1) (hCatSper),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:	90.1 kDa
UniProt:	Q8NEC5

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