

Datasheet for ABIN7546870

CATSPER2 Protein (AA 1-530) (His tag)



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Overview

Quantity:	1 mg
Target:	CATSPER2
Protein Characteristics:	AA 1-530
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CATSPER2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CATSPER2 Protein expressed in mammalian cells.
Sequence:	<p>MAAYQQEEQM QLPRADAIRS RLIDTFSLE HLQGLSQAVP RHTIRELLDP SRQKKLVLGD</p> <p>QHQLVRFSIK PQRIEQISHA QRLLSRLHVR CSQRPPLSLW AGWVLECPLF KNFIIFLVFL</p> <p>NTIILMVEIE LLESTNTKLW PLKLTLEVAA WFILLIFILE ILLKWLSNFS VFWKSAWNVF</p> <p>DFVVTMLSLL PEVVVLVGVT GQSVWLQLLR ICRVLRSLKL LAQFRQIQII ILVLVRALKS</p> <p>MTFLLMLLLI FFYIFAVTGV YVFSEYTRSP RQDLEYHVFF SDLPNSLVTV FILFTLDHWY</p> <p>ALLQDVWKVP EVSRIFSSII FILWLLLSGI IFRSIIIVAMM VTNFQNIKE LNEEMARREV</p> <p>QLKADMFKRQ IIRRRKNMSH EALTSSHSKI EDSSRGASQQ RESLDLSEVS EVESNYGATE</p> <p>EDLITSASKT EETLSKKREY QSSSCVSSTS SSYSSSESER FSESIGRLDW ETLVHENLPG</p> <p>LMEMDQDDR VPRDSLFRYF ELLEKLQYNL EERKKLQEFA VQALMNLEDK 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>

Product Details

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	CATSPER2
Alternative Name:	CATSPER2 (CATSPER2 Products)
Background:	Cation channel sperm-associated protein 2 (CatSper2),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:	62.0 kDa
UniProt:	Q96P56

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.
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Application Details

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