

Datasheet for ABIN7561983
CATSPERB Protein (AA 1-1109) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CATSPERB
Protein Characteristics:	AA 1-1109
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CATSPERB protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Catsperb Protein expressed in mammalian cells.
Sequence:	MESPLIYVML VLLNVFVFSS GVIHNKGKER TYFSCSGEGI LTGLHTIKLF LTMDNLKVRG FFRNENQSPS KEILGLFTSG GLAPNMIITN STFYGGYYFK LTPFSNRLEW LIDIPRQNIT VNTDIAAVEQ WMIKTMHEG LNIYDTEGTL LDLVREPILQ WNLGRVLTEM EVRDLYPEVN DIKVTKSPCA NDVALIGFMM KPSSNGVFIG KTISGFWYTK ECIWHDLTEI IYAELKDEHQ GLTVIDLVLT NHFLVILTSL GLYVSSDLRY PTTSQIKLSR AEFCGFERVD YIRGNLWYNE KCFANRESFE VDYVTITFNR NRTLSESSC FFSKEPFLHW LPCVFSTIKN EKSIPRVITF LIDQETDSGI YLFNVQDTKE TYVTVAMLKD GKPSRPKFP SFHFPSTFTL PLGMIFHPRS HFLYVYGSQI WWSMDGGNTF EMLCNLFSHH VTKTSNSFYT SDIVFIVEDG RILTTKAGLT TYSELGILKD AIFTLYDQL GYIHKLTPEN FDAGSKLLGH GNSGSIFGKR PDLGFEAILV PQYISTNEMY FFAHVPLTMP TNIQWKKRFK TIHLGKTIEF SKTGLANIKN VYMHKTEPVG FQTSIHTEII VPFGIENSKD SPCLLSLEI TYSGKLYYTI KLLSKNPLHE LKSTDVEKSV LIPGYSSFLI MNITDKWTAS ALATMPQAIK SNLKFLTGSW FLYNFGTAGG RKWSISTRQC NYWIQQDSDL

Product Details

FMSLNLVKYI DVGNTIDFQF KIIPKAMSTF PIPVSMVVG NPGLVEVKTQ GVFDLNENYY
LDIHVSGRFF QKGSTSIALV LWEQGSSKCYA ITLLPTIKSS CSYLRTMHHT PGRHIPPEW
ISGVHKDSQG FNMIKTLPIN YRPPSHMGIS IPLTDNFYHA DPSKPIPRNQ FHKSKETGKY
KQCANVTSRA MCNCSEHQKF SHAVAFSDCK EKVHRFKFPV TQYPVVLEIF NERDKISAEP
PYLVTMTEVN MRKNWQLKHN EPENVKMKH YLEPLLKTPV YNPLGLNLTQ QGSELFHFVKV
SVVPGVSFCE LSEEFQIYVD EVPLPFGHA LIAVATSVVL GVLIFIAFVF QLRNIHPLKA
LKKIRGNPG LTSSTTVSS **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.**

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: **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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: CATSPERB

Alternative Name: Catsperb ([CATSPERB Products](#))

Background: Cation channel sperm-associated auxiliary subunit beta (CatSper-beta),FUNCTION: Auxiliary component of the CatSper complex, a complex involved in sperm cell hyperactivation

Target Details

(PubMed:34225353, PubMed:17478420). Sperm cell hyperactivation is needed for sperm motility which is essential late in the preparation of sperm for fertilization (PubMed:17478420). {ECO:0000269|PubMed:17478420, ECO:0000269|PubMed:34225353}.

Molecular Weight: 126.1 kDa

UniProt: [A2RTF1](#)

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.

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