

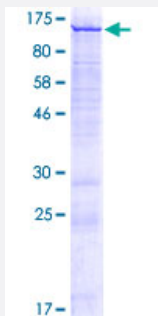
Full-Length

CATSPER1 (Human) Recombinant Protein (P01)

Catalog # H00117144-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CATSPER1 full-length ORF (AAH36522.1, 1 a.a. - 780 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDQNSVPEKAQNEADTNNADRFFRSHSSPPHHRPGHSRALHHYELHHHGVPHQRGESHHPPE
FQDFHDQALSSHVHQSHHHSEARNHGRAHGPTGFGGLAPSQGAVPSHRSYGEDYHDELQRDGR
RHHDGSQYGGFHQQSDSHYHRGSHHGRPQYLGENLSHYSSGVPHHGEASHHGGSYLPHGPNPY
SESFHHSEASHLSGLQHDESQHHQVPHRGWPHHHQVHHHGRSRHHEAHQHKGKSPHHGETISP
HSSVGSYQRGISDYHSEYHQGDHHPSEYHHGDHPHHTQHYYHQTHRHRDYHQHQDHHGAYHSSY
LHGDYVQSTSQSLIPHTSRSLHDAPGPAASRTGVFPYHVAHPRGSAHSMTRSSSTIRSRVTQMSK
KVHTQDISTKHSEDWGKEEGQFQKRKTGRLQRTRKKGHSTNLFQWLWEKLTFLIQGFREMIRNLT
QSLAFETFIFFVCLNTVMLVAQTFAEVEIRGEWYFMAIDSIFFCMVVEALLKIIALGLSYFFDFWNN
LDFFIMAMAVLDFLLMQTHSFAYHQSLFRILKVFKSLRALRAIRVLRRLSFLTSVQEVGTGLGQSLP
SIAAILMFTCLFLFSAVLRALFRKSDPKRFQNIFFTITFTLLTDDWSLIYMDSRAQGAWYIIPILIIYI
IQYIFLNLVITVLVDSFQTALFKGLEKAKQERAARIQEKLLEDSTELRAAEPKEVASEGTMLKRLI
EKKFGTMTTEKQQELLFHYLQLVASVEQEQQKFRSQAVIDENDTTFEAGEEDFRN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

116.5

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CATSPER1

Entrez GeneID	117144
GeneBank Accession#	BC036522.2
Protein Accession#	AAH36522.1
Gene Name	CATSPER1
Gene Alias	CATSPER, MGC33335, MGC33368
Gene Description	cation channel, sperm associated 1
Omim ID	606389
Gene Ontology	Hyperlink
Gene Summary	Calcium ions play a primary role in the regulation of sperm motility. This gene belongs to a family of putative cation channels that are specific to spermatozoa and localize to the flagellum. The protein family features a single repeat with six membrane-spanning segments and a predicted calcium-selective pore region. [provided by RefSeq]
Other Designations	cation channel of sperm sperm ion channel sperm-associated cation channel 1