

Recombinant Full Length Human CATSPER1 Protein, GST-tagged

Cat. No. CATSPER1-2753HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CATSPER1 full-length ORF (AAH36522.1, 1 a.a. - 780 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	780 amino acids
Description	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, Jul 2008]
Molecular Mass	116.5 kDa
AA Sequence	MDQNSVPEKAQNEADTNNADRRFFRSHSSPPHHRPGHSRALHHYELHHHGVPHQRGESHHPPEFQDFHDQALSSHVHQSHHHSEARNHGRAHGPTGFGLAPSQGAVPSHRSYGEDYHDELQRDGRRRHHDGSQYGGFHQQSDSHYHRGSHHGRPQYLGENLSHYSSGVPHHGEASHHGGSYLPHGPNPYSESFHHSEASHLSGLQHDESQHHQVPHRGWPHHHQVHHHGRSRHHEAHQHKGKSPHHGETISPHSSVGSYQRGISDYHSEYHQGDHHPSEYHHGDHPHHTQHYYHQTHRHRDYHQHQDHHGAYHSSYLHGDYVQSTSQLSIPHTSRSLIHDAPGPAASRTGVFPYHVAHPRGSAHSMTRSSSTIRSRVTQMSK

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KVHTQDISTKHSEDWGKEEGQFQKRKTGRLQRTTRKKGHSTNLFQWLWEKLTFLIQ
 GFREMIRNLTQSLAFETFIFFVVCLNTVMLVAQTFAEVEIRGEWYFMALDSIFFCIYVV
 EALLKIIALGLSYFFDFWNNLDFIMAMAVLDFLLMQTHSFAIYHQSLFRILKVFKSLRA
 LRAIRVLRRLSFLTQSVQEVGTGTLGQSLPSIAAILILMFTCLFLFSAVLRALFRKSDPKRF
 QNIFTTIFTLFTLLTLDDWSLIYMDSRAQGAWYIIPILIIYIIIQYFIFLNLVITVLVDSFQTA
 LFKGLEKAKQERAARIQEKLLEDSTELRAAEPKEVASEGTMKRLIEKKFGTMTTEKQ
 QELLFHYLQLVASVEQEQQKFRSQAAVIDEIVDTTFEAGEEDFRN

Applications

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

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

CATSPER1 cation channel, sperm associated 1 [Homo sapiens]

Official Symbol

CATSPER1

Synonyms

CATSPER1; cation channel, sperm associated 1; cation channel sperm-associated protein 1; CATSPER; hCatSper; sperm ion channel; sperm-associated cation channel 1; SPGF7; MGC33335; MGC33368;

Gene ID

117144

mRNA Refseq

NM_053054

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Protein Refseq	NP_444282
MIM	606389
UniProt ID	Q8NEC5

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