Recombinant Human CATSPER1 Protein, GST-Tagged

Cat. No. CATSPER1-0445H **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	Wheat Germ
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	MDQNSVPEKAQNEADTNNADRFFRSHSSPPHHRPGHSRALHHYELHHHGVPHQR GESHHPPEFQDFHDQALSSHVHQSHHHSEARNHGRAHGPTGFGLAPSQGAVPSH RSYGEDYHDELQRDGRRHHDGSQYGGFHQQSDSHYHRGSHHGRPQYLGENLSH YSSGVPHHGEASHHGGSYLPHGPNPYSESFHHSEASHLSGLQHDESQHHQVPHR GWPHHHQVHHHGRSRHHEAHQHGKSPHHGETISPHSSVGSYQRGISDYHSEYHQ GDHHPSEYHHGDHPHHTQHHYHQTHRHRDYHQHQDHHGAYHSSYLHGDYVQST SQLSIPHTSRSLIHDAPGPAASRTGVFPYHVAHPRGSAHSMTRSSSTIRSRVTQMSK KVHTQDISTKHSEDWGKEEGQFQKRKTGRLQRTRKKGHSTNLFQWLWEKLTFLIQ GFREMIRNLTQSLAFETFIFFVVCLNTVMLVAQTFAEVEIRGEWYFMALDSIFFCIYVV

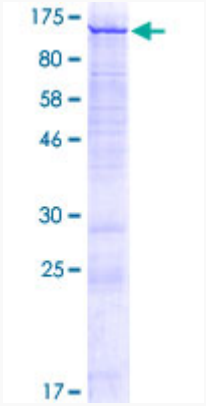
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	EALLKIIALGLSYFFDFWNNLDFFIMAMAVLDFLLMQTHSFAIYHQSLFRILKVFKSLRA LRAIRVLRRLSFLTSVQEVTGTLGQSLPSIAAILILMFTCLFLFSAVLRALFRKSDPKRF QNIFTTIFTLFTLLTLDDWSLIYMDSRAQGAWYIIPILIIYIIIQYFIFLNLVITVLVDSFQTA LFKGLEKAKQERAARIQEKLLEDSLTELRAAEPKEVASEGTMLKRLIEKKFGTMTEKQ 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
Protein Refseq	NP_444282

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MIM	606389
UniProt ID	Q8NEC5
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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