

Recombinant Full Length Human Cation Channel Sperm-Associated Protein 1(Catsper1) Protein, His-Tagged

Cat. No. RFL23864HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Full Length Human Cation channel sperm-associated protein 1(CATSPER1) Protein (Q8NEC5) (1-780aa), fused to N-terminal His tag, was expressed in E. coli.

Species Human

Source E.coli

ProteinLength Full Length (1-780)

Form Lyophilized powder

AA Sequence

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MDQNSVPEKAQNEADTNNADRRFFRSHSSPPHHRPGHSRALHHYELHHHGVPHQ
R
GESHP PEFQDFHDQALSSHVHQSHHHSEARNHGRAHGPTGFGLAPSQGAVPSH
R
RSYGEDYHDELQ RDGRRHHDGSSQYGGFHQQSDSHYHRGSHHGRPQYLGENLSH
R
YSSGVPHHGEASHHGGSYL PHGPNPYSESFHHSEASHLSGLQHDESQHHQVPHR
R
GWPHHHQVHHHGRSRHHEAHQHGKS PHHGETISPHSSVGSYQRGISDYHSEYHQ
R
GDHHPSEYHHGDHPHHTQHYYHQTHRHRDYH QHQDHHGAYHSSYLHGDIYVQST
R
SQLSIPHTSRSLIHDAPGPAASRTGVFPYHVAHPRGSA HSMTRSSSTIRSRVTQMS
R
KKVHTQDISTKHSEDWGKEEGQFQKRKTGRLQRTRKKGHSTN LQWLWEKLTFLI
R
QGFREMIRNLTQSLAFETFIFFVCLNTVMLVAQTFAEVEIRGEWYF MALDSIFFCIY
R
VVEALLKIIALGLSYFFDFWNNLDFIMAMAVLDFLLMQTHSFAIYHQS LFRILKVFKS
R
LRALRAIRVLRRLSFLTSVQEVGTGLGQSLPSIAAILILMFTCLFLFSAV LRALFRKSDP

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KRFQNIFFTIFTLFTLLTLDDWSLIYMDSRAQGAWYIIPILVIYIIIQYF IFLNLVITVLVDS
 FQTALFKGLEKAKQERAARIQEKLLEDLSLTELRAAEPKEVASEGTM L KRLIEKKFGT
 MTEKQQELLFHYLQLVASVEQEQQKFRSQAVIDEIVDTTTFEAGEEDFRN

Purity Greater than 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Storage Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

Storage Buffer Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name CATSPER1

Synonyms CATSPER1; Cation channel sperm-associated protein 1; CatSper1; hCatSper

UniProt ID [Q8NEC5](https://www.uniprot.org/entry/Q8NEC5)

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