

Recombinant Human CATSPER1 protein(1-445aa), His-tagged

Cat. No. CATSPER1-6543H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CATSPER1 protein(Q8NEC5)(1-445aa), fused with C-terminal His tag, was expressed in Yeast.
Species	Human
Source	Yeast
ProteinLength	1-445aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	52.7 kDa
Purity	Greater than 85% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
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.

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AA Sequence

MDQNSVPEKAQNEADTNNADRFFRSHSSPPHHRPGHSRALHHYELHHHGVPHQ
 GESHPPEFQDFHDQALSSHVHQSHHHSEARNHGRAHGPTGFGGLAPSQGAVPSH
 RSYGEDYHDELQRDGRRHHDGSQYGGFHQQSDSHYHRGSHHGRPQYLGENLSH
 YSSGVPHHGEASHHGGSYLPHGPNPYSESFHHSEASHLSGLQHDESQHHQVPHR
 GWPHHHQVHHHGRSRHHEAHQHKGKSPHHGETISPHSSVGSYQRGISDYHSEYHQ
 GDHHPSEYHHGDHPHHTQHYYHQTHRHRDYHQHQDHHGAYHSSYLHGDYVQST
 SQLSIPHTSRSLIHDAPGPAASRTGVFPYHVAHPRGSAHSMTRSSSTIRSRVTQMSK
 KVHTQDISTKHSEDWGKEEGQFQKRKTGRLQRTKKGHSTNLFQWLWEKLTFLIQ
 GFREMIRNLTQ

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](#)

MIM [606389](#)

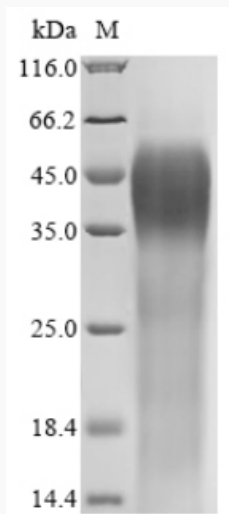
UniProt ID [Q8NEC5](#)

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SDS-PAGE



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