

Recombinant Human TRPM7 Protein, GST tagged

Cat. No. TRPM7-32H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human TRPM7 partial ORF (NP_060142.2, 777 a.a. - 855 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat germ cell free in vitro
ProteinLength	777-855 aa
Description	TRPCs, mammalian homologs of the Drosophila transient receptor potential (trp) protein, are ion channels that are thought to mediate capacitative calcium entry into the cell. TRP-PLIK is a protein that is both an ion channel and a kinase. As a channel, it conducts calcium and monovalent cations to depolarize cells and increase intracellular calcium. As a kinase, it is capable of phosphorylating itself and other substrates. The kinase activity is necessary for channel function, as shown by its dependence on intracellular ATP and by the kinase mutants.
AASequence	KTKAEMSHIPQSQDAHQMTMDDSENNFQNITEEIPMEVFKEVRILDSNEGKNEMEIQ MKSKKLPITRKFYAFYHAPIVK
Molecular Mass	34.43 kDa
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.

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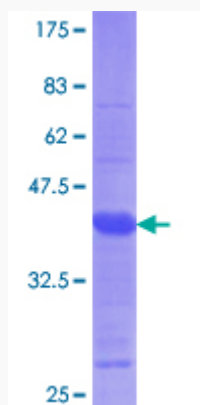
Application	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Note	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	TRPM7 transient receptor potential cation channel subfamily M member 7 [Homo sapiens (human)]
Official Symbol	TRPM7
Synonyms	TRPM7; transient receptor potential cation channel subfamily M member 7; CHAK; CHAK1; ALSPDC; LTRPC7; LTrpC-7; TRP-PLIK; transient receptor potential cation channel subfamily M member 7; LTRPC ion channel family member 7; channel-kinase 1; long transient receptor potential channel 7; transient receptor potential-phospholipase C-interacting kinase; EC 2.7.11.1
Gene ID	54822
mRNA Refseq	NM_017672
Protein Refseq	NP_060142
MIM	605692
UniProt ID	Q6ZMF5

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SDS-PAGE



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