Human TRPM7 Knockdown Cell Lysate

Cat. No. TRPM7-457HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated TRPM7 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene belongs to the melastatin subfamily of transient receptor potential family of ion channels. The protein encoded by this gene is both an ion channel and a serine/threonine protein kinase. The kinase activity is essential for the ion channel function, which serves to increase intracellular calcium levels and to help regulate magnesium ion homeostasis. The encoded protein is involved in cytoskeletal organization, cell adhesion, cell migration and organogenesis. Defects in this gene are a cause of amyotrophic lateral sclerosis-parkinsonism/dementia complex of Guam. The gene may also be associated with defects of cardiac function.
Form	Cell-Tissue Lysis buffer
Molecular Mass	213 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade.

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Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg TRPM7 KD HeLa cell lysate
Protein Families	Druggable Genome, Ion Channels: Transient receptor potential, Protein Kinase, Transmembrane
Lysate QC	RT-qPCR; Western Blotting (WB)

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; transient receptor potential cation channel subfamily M member 7; CHAK1; LTRPC7; TRP PLIK; LTrpC-7; channel-kinase 1; LTRPC ion channel family member 7; long transient receptor potential channel 7; transient receptor potential-phospholipase C-interacting kinase; CHAK; TRP-PLIK; FLJ20117; FLJ25718;
Gene ID	54822
mRNA Refseq	NM_017672
Protein Refseq	NP_060142
MIM	605692

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UniProt ID	Q96QT4

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