



Human TRPM7 blocking peptide (CDBP3078)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-TRPM7/LTRPC7 antibody
Antigen Description	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. Defects in this gene are a cause of amyotrophic lateral sclerosis-parkinsonism/dementia complex of Guam.[provided by RefSeq, May 2010]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	TRPM7 transient receptor potential cation channel, subfamily M, member 7 [Homo sapiens]
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;

Entrez Gene ID	54822
mRNA Refseq	NM_017672
Protein Refseq	NP_060142
UniProt ID	Q96QT4
Chromosome Location	15q21
Pathway	Mineral absorption, organism-specific biosystem; Mineral absorption, conserved biosystem;
Function	ATP binding; actin binding; calcium channel activity; ion channel activity; kinase activity; metal ion binding; myosin binding; nucleotide binding; protein serine/threonine kinase activity;