



Human TRPM5 blocking peptide (CDBP3077)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-TRPM5/MTR1 antibody
Antigen Description	This gene encodes a member of the transient receptor potential (TRP) protein family, which is a diverse group of proteins with structural features typical of ion channels. This protein plays an important role in taste transduction, and has characteristics of a calcium-activated, non-selective cation channel that carries Na ⁺ , K ⁺ , and Cs ⁺ ions equally well, but not Ca(2 ⁺) ions. It is activated by lower concentrations of intracellular Ca(2 ⁺), and inhibited by higher concentrations. It is also a highly temperature-sensitive, heat activated channel showing a steep increase of inward currents at temperatures between 15 and 35 degrees Celsius. This gene is located within the Beckwith-Wiedemann syndrome critical region-1 on chromosome 11p15.5, and has been shown to be imprinted, with exclusive expression from the paternal allele. [provided by RefSeq, Oct 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 [TRPM5 transient receptor potential cation channel, subfamily M, member 5 \[Homo sapiens \]](#)

Official Symbol	TRPM5
Synonyms	TRPM5; transient receptor potential cation channel, subfamily M, member 5; transient receptor potential cation channel subfamily M member 5; LTRPC5; MTR1; LTrpC-5; MLSN1 and TRP-related; MLSN1- and TRP-related gene 1 protein; long transient receptor potential channel 5;
Entrez Gene ID	29850
mRNA Refseq	NM_014555
Protein Refseq	NP_055370
UniProt ID	Q9NZQ8
Chromosome Location	11p15.5
Pathway	Taste transduction, organism-specific biosystem; Taste transduction, conserved biosystem;
Function	ion channel activity; receptor activity; voltage-gated ion channel activity;