



TRPV4 blocking peptide (CDBP6373)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the OSM9-like transient receptor potential channel (OTRPC) subfamily in the transient receptor potential (TRP) superfamily of ion channels. The encoded protein is a Ca ²⁺ -permeable, nonselective cation channel that is thought to be involved in the regulation of systemic osmotic pressure. Mutations in this gene are the cause of spondylometaphyseal and metatropic dysplasia and hereditary motor and sensory neuropathy type IIC. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2010]
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Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	TRPV4 transient receptor potential cation channel, subfamily V, member 4 [Homo sapiens (human)]
Official Symbol	TRPV4
Synonyms	TRPV4; transient receptor potential cation channel, subfamily V, member 4; SMAL; VRL2; CMT2C; SPSMA; TRP12; VROAC; HMSN2C; OTRPC4; SSQTL1; transient receptor potential

cation channel subfamily V member 4; osm-9-like TRP channel 4; vanilloid receptor-like channel 2; transient receptor potential protein 12; OSM9-like transient receptor potential channel 4; osmosensitive transient receptor potential channel 4; vanilloid receptor-related osmotically activated channel

Entrez Gene ID	59341
mRNA Refseq	NM_001177428
Protein Refseq	NP_001170899
UniProt ID	Q9HBA0
Pathway	Inflammatory mediator regulation of TRP channels; Ion channel transport; Stimuli-sensing channels; TRP channels; Transmembrane transport of small molecules
Function	ATP binding; SH2 domain binding; actin binding; actin filament binding; alpha-tubulin binding; beta-tubulin binding; calcium channel activity; calmodulin binding; cation channel activity; microtubule binding; osmosensor activity; protein kinase C binding; protein kinase binding