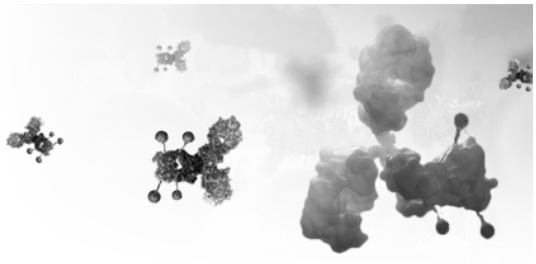

TRPV1 blocking peptide (CDBP6372)

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

PRODUCT INFORMATION

Antigen Description	Capsaicin, the main pungent ingredient in hot chili peppers, elicits a sensation of burning pain by selectively activating sensory neurons that convey information about noxious stimuli to the central nervous system. The protein encoded by this gene is a receptor for capsaicin and is a non-selective cation channel that is structurally related to members of the TRP family of ion channels. This receptor is also activated by increases in temperature in the noxious range, suggesting that it functions as a transducer of painful thermal stimuli in vivo. Four transcript variants encoding the same protein, but with different 5' UTR sequence, have been described for this gene. [provided by RefSeq, Jul 2008]
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	TRPV1 transient receptor potential cation channel, subfamily V, member 1 [Homo sapiens (human)]
Official Symbol	TRPV1
Synonyms	TRPV1; transient receptor potential cation channel, subfamily V, member 1; VR1; transient

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	receptor potential cation channel subfamily V member 1; OTRPC1; capsaicin receptor; osm-9-like TRP channel 1; vanilloid receptor subtype 1; transient receptor potential vanilloid 1a; transient receptor potential vanilloid 1b
Entrez Gene ID	7442
mRNA Refseq	NM_018727
Protein Refseq	NP_061197
UniProt ID	Q8NER1
Pathway	Inflammatory mediator regulation of TRP channels; Ion channel transport; Neuroactive ligand-receptor interaction; Stimuli-sensing channels; TRP channels; Transmembrane transport of small molecules; Trk receptor signaling mediated by PI3K and PLC-gamma; Trk receptor signaling mediated by the MAPK pathway
Function	ATP binding; calcium channel activity; calcium-release channel activity; calmodulin binding; excitatory extracellular ligand-gated ion channel activity; phosphoprotein binding; transmembrane signaling receptor activity

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