

Recombinant Human TRPV3

Cat. No. TRPV3-28682TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 681-790 of Human TRPV3 with a proprietary tag at N-terminal; Predicted MWt 37.73 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	110 amino acids
Description	This gene product belongs to a family of nonselective cation channels that function in a variety of processes, including temperature sensation and vasoregulation. The thermosensitive members of this family are expressed in subsets of sensory neurons that terminate in the skin, and are activated at distinct physiological temperatures. This channel is activated at temperatures between 22 and 40 degrees C. This gene lies in close proximity to another family member (TRPV1) gene on chromosome 17, and the two encoded proteins are thought to associate with each other to form heteromeric channels.
Molecular Weight	37.730kDa inclusive of tags
Tissue specificity	Abundantly expressed in CNS. Widely expressed at low levels. Detected in dorsal root ganglion (at protein level).
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	VENVSKESERIWRLQRARTILEFEKMLPEWLRSRFRMGELCKVAEDDFRLCLRINEV KWTEWKTHVSFLNEDPGPVRRTDFNKIQDSSRNNSKTTLNAFEEVEEFPETSV
Sequence Similarities	Belongs to the transient receptor (TC 1.A.4) family. TrpV subfamily. TRPV3 sub-subfamily.Contains 3 ANK repeats.

GENE INFORMATION

Gene Name	TRPV3 transient receptor potential cation channel, subfamily V, member 3 [Homo sapiens]
Official Symbol	TRPV3
Synonyms	TRPV3; transient receptor potential cation channel, subfamily V, member 3; transient receptor potential cation channel subfamily V member 3; VRL3;
Gene ID	162514
mRNA Refseq	NM_145068
Protein Refseq	NP_659505
MIM	607066

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Uniprot ID	Q8NET8
Chromosome Location	17p13.3
Function	calcium channel activity;

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