

Human TRPV1 Full-Length Bioactive Membrane Protein

HDFP109



Product Information

Product SKU:

HDFP109

Size:

10µg

Molecular Weight:

The human full length TRPV1 protein has a MW of 94.8 kDa

Expression System:

HEK293

Uniprot:

Q8NER1

Target:

TRPV1

Antibody Information

Background:

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]

Description:

Human TRPV1 full length protein-synthetic nanodisc

Protein Family:

Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane

Protein Pathways:

Neuroactive ligand-receptor interaction

Synonyms:

VR1

Storage:

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Usage:

Research use only

Form:

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.

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