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## Recombinant Mouse TRPV1 Protein, N-His

Catalog Number: bs-105570P

Species: Mouse

AA Seq: 115-433/839

Predicted MW: 38.01 kDa

Tags: N-His

Activity: Not tested

Purity: >90% as determined by SDS-PAGE.

Purification: AC

Form: Lyophilized

Storage: Lyophilized from a solution in PBS pH 7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol.

Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8°C for frequent use. Store at -20 to -80°C for twelve months from the date of receipt.

**Background:** The detection of noxious stimuli (chemical, mechanical, or thermal) occurs predominantly at the peripheral terminals of primary afferent neurons. This information is ultimately transmitted to the central nervous system to evoke a perception of pain which initiates appropriate protective reflexes. The receptor for capsaicin, VR1 (vanilloid receptor 1; TRPV1) is a nonselective cation channel that resembles members of the transient receptor potential (TRP) family of ion channels. The vanilloid receptor 1 protein functions both as a receptor for capsaicin and a transducer of noxious thermal stimuli. VR1 protein is localized to small-diameter sensory neurons within the dorsal root ganglia and nerve terminals in the dorsal horn.