

Datasheet for ABIN7597330

TRPV1 Protein (AA 99-330) (Fc Tag)[Go to Product page](#)

Overview

Quantity:	10 µg
Target:	TRPV1
Protein Characteristics:	AA 99-330
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRPV1 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human TRPV1 Protein with N-terminal human Fc tag
Sequence:	hFc(Glu99-Ala330) TRPV1(Glu600-Ala658)
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	TRPV1
Alternative Name:	TRPV1 (TRPV1 Products)
Background:	VR1 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

Target Details

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]

Molecular Weight: predicted molecular mass of 35.2 kDa after removal of the signal peptide. The apparent molecular mass of hFc-TRPV1 is 35-70 kDa due to glycosylation.

UniProt: [Q8NER1](#)

Pathways: [Dicarboxylic Acid Transport](#)

Application Details

Application Notes: Extracellular Domain Proteins (ECD) can be used as:

- Immunogens for antibody drug development
- Reagents used for CAR-T positive cell monitoring
- Reagents for antibody screening and functional testing
- Reagents for antibody affinity measurement

Comment: The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: 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.

Expiry Date: 12 months