

Transient Receptor Potential Cation Channel Subfamily V Recombinant Protein | TRPV1 recombinant protein

Recombinant Transient Receptor Potential Cation Channel Subfamily V, Member 1 (TRPV1)

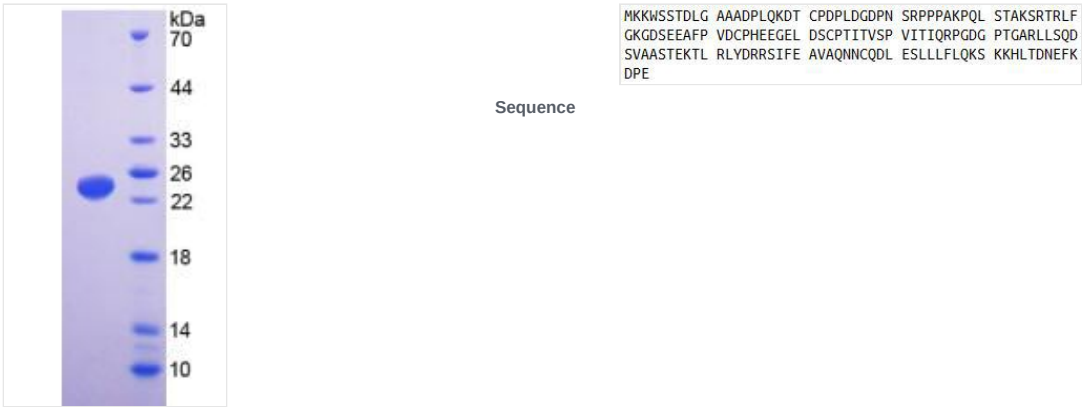
CATALOG # AAA145402	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Transient Receptor Potential Cation Channel Subfamily V; Recombinant Transient Receptor Potential Cation Channel Subfamily V; Member 1 (TRPV1); VR1; OTRPC1; Vanilloid Receptor Subtype 1; Capsaicin receptor; Osm-9-like TRP channel 1; Vanilloid receptor 1; TRPV1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Sequence	MKKWSSTDLG AAADPLQKDT CPDPLDGDPN SRPPPAKPQL STAKSRTLRF GKGDSEEAFF VDCPHEEGEL DSCPTITVSP VITIQRPGDG PTGARLLSQD SVAASTEKTL RLYDRRSIFE AVAQNNCQDL ESKLLFLQKS KKHLTDNEFK DPE
Sequence Length	764
Applicable Applications for TRPV1 recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Predicted Molecular Mass	20.4kDa
Usage	Reconstitute in sterile PBS, pH7.2-pH7.4.
Endotoxin Level	<1.0EU per 1 ug (determined by the LAL method)
Expression System	Prokaryotic expression
Fragment	Met1~Glu153
Organism Species	Human
Tag	two N-terminal Tags, His-tag and T7-tag
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	294459977
NCBI GeneID	59341
NCBI Accession #	NP_001170904.1
NCBI GenBank Nucleotide #	NM_001177433.1
Molecular Weight	85,884 Da
NCBI Official Full Name	transient receptor potential cation channel subfamily V member 4 isoform c
NCBI Official Synonym Full Names	transient receptor potential cation channel subfamily V member 4
NCBI Official Symbol	TRPV4
NCBI Official Synonym Symbols	SMAL; VRL2; BCM3; CMT2C; SPSMA; TRP12; VROAC; HMSN2C; OTRPC4; SSQTL1
NCBI Protein Information	transient receptor potential cation channel subfamily V member 4
UniProt Protein Name	Transient receptor potential cation channel subfamily V member 4
UniProt Gene Name	TRPV4
UniProt Synonym Gene Names	VRL2; VROAC; TrpV4; OTRPC4; TRP12; VRL-2; VR-OAC
UniProt Entry Name	TRPV4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.