

Datasheet for ABIN7555884
TRPV2 Protein (AA 1-764) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	TRPV2
Protein Characteristics:	AA 1-764
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRPV2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TRPV2 Protein expressed in mammalian cells.
Sequence:	MTSPSSSPVF RLETLDGGQE DGSEADRGKL DFGSGLPPME SQFQGEDRKF APQIRVNLNY RKGTGASQPD PNRFDRDLF NAVSRGVPED LAGLPEYLSK TSKYLTSEY TEGSTGKTCL MKAVLNLKDG VNACILPLLQ IDRDSGNPQP LVNAQCTDDY YRGHSALHIA IEKRSLQCVK LLVENGANVH ARACGRFFQK GQGTCFYFGE LPLSLAACTK QWDVVSYLE NPHQPASLQA TDSQGNTVLH ALVMISDNSA ENIALVTSMY DGLLQAGARL CPTVQLEDIR NLQDLTPLKL AAKEGKIEIF RHILQREFSG LSHLSRKfte WCYGPVRVSL YDLASVDSCE ENSVLEIIAF HCKSPHRHRM VVLEPLNKLL QAKWDLIPK FFLNFCNLI YMFIFTAVAY HQPTLKKQAA PHLKAIEVGNM MLLTGHILIL LGGIYLLVGQ LWYFWRRHVF IWISFIDSYF EILFLFQALL TVVSQVLCFL AIEWYPLLV SALVLGWLNL LYYTRGFQHT GIYSVMIQKV ILRDLRFL IYLVFLFGFA VALVLSQEA WRPEAPTGN ATESVQPMEG QEDEGNGAQY RGILEASLEL FKFTIGMGEL AFQEQLHFRG MVLILLLAYV LLYIILLNM LIALMSETVN SVATDSWSIW KLQKAISVLE MENGYWWCRK KQRAGVMLTV GTKPDGSPDE RWCFRVEEVN WASWEQTLPT

Product Details

LCEDPSGAGV PRTLENPVLA SPPKEDEDGA SEENYVPVQL LQSN **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: TRPV2

Alternative Name: TRPV2 ([TRPV2 Products](#))

Background: Transient receptor potential cation channel subfamily V member 2 (TrpV2) (Osm-9-like TRP channel 2) (OTRPC2) (Vanilloid receptor-like protein 1) (VRL-1),FUNCTION: Calcium-permeable, non-selective cation channel with an outward rectification. Seems to be regulated, at least in part, by IGF-I, PDGF and neuropeptide head activator. May transduce physical stimuli in mast cells. Activated by temperatures higher than 52 degrees Celsius, is not activated by vanilloids and acidic pH. {ECO:0000269|PubMed:10201375}.

Target Details

Molecular Weight: 86.0 kDa

UniProt: [Q9Y5S1](#)

Pathways: [Regulation of Cell Size](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months