

Datasheet for ABIN7555845
TRPV3 Protein (AA 1-790) (His tag)



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Overview

| | |
|-------------------------------|--|
| Quantity: | 1 mg |
| Target: | TRPV3 |
| Protein Characteristics: | AA 1-790 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This TRPV3 protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS), Western Blotting (WB) |

Product Details

| | |
|-----------|--|
| Purpose: | Custom-made recombinant TRPV3 Protein expressed in mammalian cells. |
| Sequence: | <p> MKAHPKEMVP LMGKRVAAPS GNPAILPEKR PAEITPTKKS AHFFLEIEGF EPNPTVAKTS PPVFSKPMDS NIRQCISGNC DDMDSPQSPQ DDVTETPSNP NSPSAQLAKE EQRRKKRRLK KRIFAAVSEG CVEELVELLV ELQELCRRRH DEDVPDFLMH KLTASDTGKT CLMKALLNIN PNTKEIVRIL LAF AEENDIL GRFINAEYTE EAYEGQTALN IAIERRQGD I AALLIAAGAD VNAHAKGAFF NPKYQHEGFY FGETPLALAA CTNQPEIVQL LMEHEQTDIT SRDSRGNNIL HALVTVAEDF KTQND FVKRM YDMILLRSGN WELETTRNND GLTPLQLAAK MGKAEILKYI LSREIKEKRL RLSRKFTDW AYGPVSSSLY DLTNVDTTD NSVLEITVYN TNIDNRHEML TLEPLHTLLH MKWKKFAKHM FFLSFCFYFF YNITLTLVSY YRPREEEAIP HPLALTHKMG WLQLLGRMFV LIWAMCISVK EGIAIFLLRP SDLQSILSDA WFHFVFFIQA VLVILSVFLY LFAYKEYLAC LVLAMALGWA NMLYYTRGFQ SMGMYSVMIQ KVILHDVLKF LFVYIVFLLG FGVALASLIE KCPKDNKDCS SYGSFSDAVL ELFKLITGLG DLNIQQNSKY PILFLFLLIT YVILTFVLLL </p> |

NMLIALMGET VENVSKESE IWR LQRARTI LEFEKMLPEW LRSRFRMGEL CKVAEDDFRL
CLRINEVKWT EWKTHVSFLN EDPGPVRRTD FNKIQDSSRN NSKTTLNAFE EVEEFPETSV

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.

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, Western Blot

Grade:

custom-made

Target Details

Target:

TRPV3

Alternative Name:

TRPV3 ([TRPV3 Products](#))

Background:

Transient receptor potential cation channel subfamily V member 3 (TrpV3) (Vanilloid receptor-like 3) (VRL-3),FUNCTION: Putative receptor-activated non-selective calcium permeant cation channel. It is activated by innocuous (warm) temperatures and shows an increased response at noxious temperatures greater than 39 degrees Celsius. Activation exhibits an outward rectification. May associate with TRPV1 and may modulate its activity. Is a negative regulator of hair growth and cycling: TRPV3-coupled signaling suppresses keratinocyte proliferation in hair follicles and induces apoptosis and premature hair follicle regression (catagen).
{ECO:0000269|PubMed:12077604, ECO:0000269|PubMed:12077606,

Target Details

ECO:0000269|PubMed:21593771}.

Molecular Weight: 90.6 kDa

UniProt: [Q8NET8](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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