

Datasheet for ABIN7555853  
**TRPC1 Protein (AA 1-793) (His tag)**



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## Overview

Quantity:	1 mg
Target:	TRPC1
Protein Characteristics:	AA 1-793
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRPC1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat TRPC1 Protein expressed in mammalien cells.
Sequence:	MMAALYPSTD LSGASSSLP SSPSSSPNE VMALKDVREV KEENTLNEKL FLLACDKGDY YMVKKILEEN SSGDLNINCV DVLGRNAVTI TIENENLDIL QLLLDYGCQS ADALLVAIDS EVVGAVDILL NHRPKRSSRP TIVKLMERIQ NPEYSTTMDV APVILAAHRN NYEILTMLLK QDVSLPKPHA VGCECTLCSA KNKKDSL RHS RFRLDIYRCL ASPALIMLTE EDPI LRAFEL SADLKELSLV EVEFRNDYEE LARQCKMFAK DLLAQARNSR ELEVILNHTS SDEPLDKRGL LEERMNLSRL KLAIKYNQKE FVSQSNQCF LNTVWFGQMS GYRRKPTCKK IMTVLTVGIF WPVLSLCYLI APKSQFGRII HTPFMKFIH GAS YFTFLLL LNLYSLVYNE DKKNTMGPAL ERIDYLLILW IIGMIWSDIK RLWYEGLEDF LEESRNQLSF VMNSLYLATF ALKVVAHNKF HDFADRKDWD AFHPTLVAEG LFAFANVLSY LRLFFMYTTS SILGPLQISM GQMLQDFGKF LGMFLLVLFS FTIGLTQLYD KGYSKEQKD CVGIFCEQQS NDTFHSFIGT CFALFWYIFS LAHVAIVVTR FSYGEELQSF VGAVIVGTYN VVVIVLTKL LVAMLHKS FQ LIANHEDKEW

## Product Details

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KFARAKLWLS YFDDKCTLPP PFNIIPSPKT ICYMISSLSK WICSHTSKGK VKRQNSLKEW  
RNLKQKRDEN YQKVMCCLVH RYLTSMRQKM QSTDQATVEN LNELRQDLSK FRNEIRDLLG  
FRTSKYAMFY PRN **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.**

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

TRPC1

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### Alternative Name:

TRPC1 ([TRPC1 Products](#))

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### Background:

Short transient receptor potential channel 1 (TrpC1) (Transient receptor protein 1) (TRP-1),FUNCTION: Thought to form a receptor-activated non-selective calcium permeant cation channel. Probably is operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. Seems to be also activated by intracellular calcium store depletion. {ECO:0000269|PubMed:15016832}.

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### Molecular Weight:

91.2 kDa

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### UniProt:

[P48995](#)

## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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