

Product datasheet

Recombinant Human TRPC1 protein ab152768

1 Image

Description

Product name	Recombinant Human TRPC1 protein
Expression system	Wheat germ
Accession	<u>P48995-2</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	AHNKFHDFADRKDWDAFHPTLVAEGLFAFANVLSYLRLF FMYTTSSILGP LQISMGQMLQDFGK
Predicted molecular weight	33 kDa including tags
Amino acids	442 to 505

Specifications

Our **Abpromise guarantee** covers the use of **ab152768** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot SDS-PAGE ELISA
Form	Liquid

Additional notes

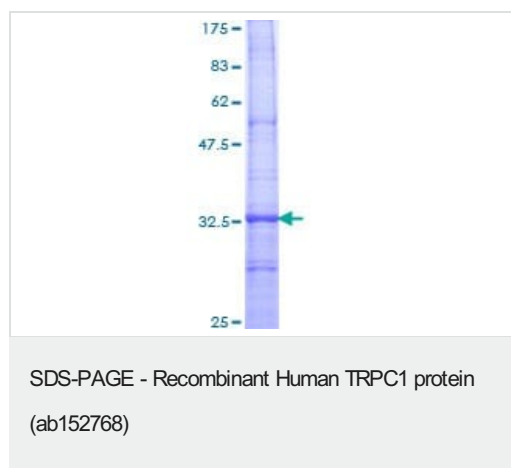
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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General Info

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.
Tissue specificity	Seems to be ubiquitous.
Sequence similarities	Belongs to the transient receptor (TC 1.A.4) family. STrpC subfamily. TRPC1 sub-subfamily. Contains 4 ANK repeats.
Post-translational modifications	Activation of PRKCA induces phosphorylation of TRPC1 and subsequent Ca ²⁺ entry into cells.
Cellular localization	Membrane.

Images



12.5% SDS-PAGE analysis of ab152768 stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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