

## Recombinant Human TRPC1 protein, His-tagged

Cat. No. TRPC1-3387H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TRPC1 protein(1-383 aa), fused to His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-383 aa
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
<b>AA Sequence</b>	<p>MMAALYPSTDLSGASSSSLPSSPSSSSPNEVMALKDVREVKEENTLNEKLFLLACDK            GDYYMVKKILEENSSGDLNINCVDVLGRNAVITITENENLDILQLLLDYGCQKLMERIQ            NPEYSTTMDVAPVILAAHRNNYEILTMLLKQDVSLPKPHAVGCECTLCSAKNKKDSL            RHSRFRLDIYRCLASPALIMLTEEDPILRAFELSADLKELSLVEVEFRNDYEELARQCK            MFAKDLLAQARNSRELEVILNHTSSDEPLDKRGLLEERMNLSRLKLAIKYNQKEFVS            QSNCCQFLNTVWFGQMSGYRRKPTCKKIMTVLTVGIFWPVLSLCYLIAPKSQFGRII            HTPFMKFIHIGASYFTFLLLLNLVSLVYNEDKKNTMGPALERIDYLLILWIIGMIWSDIKR            LWYEGLEDFLEESRNQLSFVMNSLYLATFALKVVAHNKFDHDFADRKDWDAFHPTLV            AEGLFAFANVLSYLRLFFMYTTSSILGPLQISMGMQLQDFGKFLGMFLLVLFSTIGLT            QLYDKGYTSKEQKDCVGIFCEQQSNDTFHSFIGTFCALFWYIFSLAHVAIFVTRFSYG            EELQSFVGAVIVGTYNVVVVIVLTKLLVAMLHKSFQLIANHEDKEWKFARAKLWLSYF</p>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

DDKCTLPPPFNIIPSPKTICYMISSLSKWICSHTSKGKVKRQNSLKEWRNLKQKRDEN  
YQKVMCCLVHRYLTSMRQKMQSTDQATVENLNELRQDLSKFRNEIRDLLGFRTSKY  
AMFYPRN

**Purity** 95%, by SDS-PAGE with Coomassie Brilliant Blue staining.

**Storage** Short-term storage: Store at 2-8°C for (1-2 weeks).  
Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

**Reconstitution** Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.  
Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

**Gene Name** [TRPC1 transient receptor potential cation channel, subfamily C, member 1 \[ Homo sapiens \]](#)

**Official Symbol** [TRPC1](#)

**Synonyms** TRPC1; transient receptor potential cation channel, subfamily C, member 1; short transient receptor potential channel 1; HTRP 1; TRP-1; transient receptor protein 1; transient receptor potential canonical 1; TRP1; HTRP-1; MGC133334; MGC133335;

**Gene ID** [7220](#)

**mRNA Refseq** [NM\\_001251845](#)

**Protein Refseq** [NP\\_001238774](#)

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<b>MIM</b>	602343
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<b>UniProt ID</b>	P48995
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