

Recombinant Human TRPC1 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human TRPC1 protein(1-383 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-383 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	MMAALYPSTDLSGASSSSLPSSPSSSSPNEVMALKDVREVKEENTLNEKLFLACDK GDYYMVKKILEENSSGDLNINCVDVLGRNAVITITENENLDILQLLLDYGCQKLMERIQ NPEYSTTMDVAPVILAAHRNNYEILTMLLKQDVSLPKPHAVGCECTLCSAKNKKDSL RHSRFRLDIYRCLASPALIMLTEEDPILRAFELSADLKELSLVEVEFRNDYEELARQCK MFAKDLLAQARNSRELEVILNHTSSDEPLDKRGLLEERMNLSRLKLAIKYNQKEFVS QSNCQQFLNTVWFGQMSGYRRKPTCKKIMTVLTVGIFWPVLSLCYLIAPKSQFGRRI HTPFMKFIIHGASYFTFLLLLNLVSLVYNEDKKNTMGPALERIDYLLILWIIGMIWSDIKR LWYEGLEDFLEESRNQLSFVMNSLYLATFALKVVAHNKFHDFADRKDWDAFHPTLV AEGLFANVLSYLRLFFMYTTSSILGPLQISMGQMLQDFGKFLGMFLLVLFSFTIGLT QLYDKGYTSKEQKDCVGIFCEQQSNDTFHSFIGTCFALFWYIFSLAHVAIFVTRFSYG EELQSFVGAVIVGTYNVVVVIVLTKLLVAMLHKSFQLIANHEDKEWKFARAKLWLSYF

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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 µg/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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MIM	602343
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UniProt ID	P48995
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