

Recombinant Full Length Human Transient Receptor Potential Cation Channel Subfamily V Member 5(Trpv5) Protein, His-Tagged

Cat. No. RFL10048HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Full Length Human Transient receptor potential cation channel subfamily V member 5(TRPV5) Protein (Q9NQA5) (1-729aa), fused to N-terminal His tag, was expressed in E. coli.

Species Human

Source E.coli

ProteinLength Full Length (1-729)

Form Lyophilized powder

AA Sequence

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MGGFLPKAEGPGSQLQKLLPSFLVREQDWDQHLDKHLMLQQKRILESPLLASKEN
DLSV LRQLLDCTCDVRQRGALGETALHIAALYDNLEAALVLMEAAPELVFEPTTCE
AFAGQTA LHIAVVNQNVNLVLRALLTRRASVSARATGTAFRRSPRNLIYFGEHPLSFA
ACVNSEEIVR LLIEHGADIRAQDSLGNLVLHILILQPNKTFACQMYNLLLSYDGHGDH
LQPLDLVPNHQG LTPFKLAGVEGNTVMFQHLMQKRRHIQWTYGPLTSILYDLTEIDS
WGEELSFLELVSSD KREARQILEQTPVKELVSFKWKNKYGRPYFCILAALYLLMIC
FTTCCVYRPLKFRGGNRT HSRDITILQQKLLQEAYETREDIIRLVGELVSIVGAVIILL
EIPDIFRVGASRYFGKTI LGGPFHVIITYASLVLVTMVMRLTNTNGEVVPMFALVLG
WCSVMYFTRGFQMLGPFTI MIQKMIFGDLMRFCWLMMAVVILGFASAFYIIFQTEDPT
SLGQFYDYPMALFTTFELFLTV IDAPANYDVDLPFMFSIVNFAFIIATLLMLNLFIAM
    
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MGDTHWRVAQERDELWRAQVVAT TVMLERKLPRCLWPRSGICGCEFGLGDRWFL
 RVENHNDQNPLRVLRVVEVFKNSDKEDDQ EHPSEKQPSGAESGTLARASLALPTS
 SLSRTASQSSSHRGWEILRQNTLGHLNLGLNLSE GDGEEVYHF

Purity Greater than 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Storage Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

Storage Buffer Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name TRPV5

Synonyms TRPV5; ECAC1; Transient receptor potential cation channel subfamily V member 5; TrpV5; Calcium transport protein 2; CaT2; Epithelial calcium channel 1; Osm-9-like TRP channel 3; OTRPC3

UniProt ID [Q9NQA5](https://www.uniprot.org/entry/Q9NQA5)

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