

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

Cat. No. RFL17023RF Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Recombinant Full Length Rat Transient receptor potential cation channel subfamily V member 5(Trpv5) Protein (Q9JIP0) (1-723aa), fused to N-terminal His tag, was expressed in E. coli.

**Species** Rat

**Source** E.coli

**ProteinLength** Full Length (1-723)

**Form** Lyophilized powder

**AA Sequence**

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MGVKKPWIQKRLNWWVREQDWNQHVDQLHMLQQKSIWESPLLRAAKENDMCT
LKRLQH DQNCDFRQRGALGETALHVAALYDNLDAAIMLMETAPYLVTESTLCEPFV
GQTALHIAIM NQNVNLVRALLARGASASARATGSFAHRSSHNLIIYYGEHPLSFAACV
GSEEIVRLIEHG ADIRAQDSLGNLTVLHILVLQPNKTFACQMYNLLSHDGGDHLKSL
ELVPNNQGLTPFKLA GVEGNTVMFQHLMQKRKHQWSLGPLTSSIIDLTEIDSWGE
DLSFLELVSSKKKEARQI LEQTPVKELVSLKWKKYGQPYFCLLGMLYIFYMICFTTC
CVYRPLKFRDANRTHVRDNTV LEQKPLQEAYVTYQDKVRLVGELVTVIGAVVILLIEI
PDIFRVGASRYFGHTVLGGPFHV IIITYASLVLLIMVMRLTSMNGEVVPISMALVLGW
CSVMYFSRQFQMLGPFTIMIQKMIF GDLLRFCWLMAMVILGFASAFYIIFQTEDPESL
GEFSDYPTAMFSTFELFLTIIDGPANY SVDLPFMYHLTYFAFAIIATLLMLNLFIAMMG
    
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DTHWRVAQERDELWRAQVVATTVMLERK MPRFLWPRSGICGCEYGLGDRWFLRV  
 EHHQEQNPNRYVLRVVEAFKSSDKKEEVQEQLSEKQ PSGTETGTLARGSVVLQTPPL  
 SRTTSLSSNSHRGWEILRRNTLGHLNLGQDLGEGDGEEI YHF

**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; Cat2; Ecac; Ecac1; Transient receptor potential cation channel subfamily V member 5; TrpV5; Calcium transporter 2; CaT2; Epithelial calcium channel 1; Osm-9-like TRP channel 3; OTRPC3

**UniProt ID** [Q9JIP0](https://www.uniprot.org/entry/Q9JIP0)

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