

Recombinant Human TRPV5 protein, His-tagged

Cat. No. TRPV5-630H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TRPV5 protein(1-331 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-331 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.
AASequence	MGGFLPKAEGPGSQLQKLLPSFLVREQDWDQHLDKHLMLQQKRILESPLL RASKEN DLSVLRQLLLDCTCDVRQRGALGETALHIAALYDNLEAALVLMEAAPELVFEPTTCEA FAGQTALHIAVVNQNVLVLRALLTRRASVSARATGTAFRHSRNLIIYFGEHPLSFAA CVNSEEIVRLIEHGADIRAQDSLGNLTVLHILILQPNKTFACQMYNLLLSYDGHGDHL QPLDLVPNHQGLTPFKLAGVEGNTVMFQHLMQKRRHIQWTYGPLTSILYDLTEIDSW GEELSFLELVSSDKREARQILEQTPVKELVSFKWKNKYGRPYFCI
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION**Gene Name**

TRPV5 transient receptor potential cation channel, subfamily V, member 5 [Homo sapiens]

Official Symbol

TRPV5

Synonyms

TRPV5; transient receptor potential cation channel, subfamily V, member 5; ECAC1, epithelial calcium channel 1; transient receptor potential cation channel subfamily V member 5; CaT2; ECaC; calcium transporter 2; osm-9-like TRP channel 3; calcium transport protein 2; epithelial calcium channel 1; CAT2; ECAC1; OTRPC3;

Gene ID

56302

mRNA Refseq

NM_019841

Protein Refseq

NP_062815

MIM

606679

UniProt ID

Q9NQA5

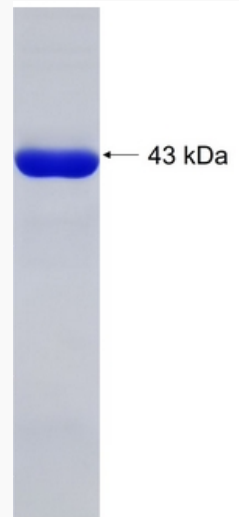
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SDS-PAGE



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