

Product datasheet for RC219290

TRPA1 (NM_007332) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRPA1 (NM_007332) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRPA1
Synonyms:	ANKTM1; FEPS; FEPS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219290 representing NM_007332. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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GATGTGCCGGACGACACGGAGGATTTCAAGGAATCGCTTAAGGTGGTTTTTGAAGGAAGTGCATATGGA
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TTGTTTCTCAGTGACCACAATGGCTGGACAGCTTTGCATCATGCGTCCATGGGCGGGTACACTCAGACC
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
    
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Protein Sequence:

>Peptide sequence encoded by RC219290
 Blue=ORF Red=Cloning site Green=Tag(s)

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MKRSLRKMWRPGEKKEPQGVVYEDVDDTDFKESLKVVFEGSAYGLQNFNKQKLRKDDMDTFFLHY
AAAEQGIELMEKITRDSSEVLHEMDDYGNTPHCAVEKNQIESVKFLLSRGANPNLRNFNMAMPLHIA
VQGMNNEVMKVLLEHRTIDVNLLEGNGTAVIIACTTNNSEALQILLNKGAKPCKSNKWGCFPIHQAAF
SGSKECMEIILRFGEHGYSRQLHINFMNNGKATPLHLAVQNGDLEMIMCLDNGAQIDPVEKGRCTAI
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LILATASASWNI VNL LLSKGAQVDIKDNFGRNFLHLTVQQPYGLKNLRPEFMQMQIKELVMDEDNDGC
TPLHYACRQGGPGSVNLLGFNVSIHKS KD KKSPLHFAASYGRINTCQRLLQDI SDTRLLNEGDLHGM
TPLHLAAKNGHDKV VQ LLLKKGALFLSDHNGWTALHHASMGGYTQTMKVILDNLKCTDRLDEDGNTAL
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PITEMIEYLPCKMVLDFCMLHSTEDKSCRDYIEYNFKYLQCPLEFTKKTPTQDVIYEPLTALNAMV
QNNRIELLNHPVCKEYLLMKWLYGFRAHMMNLGSYCLGLIPMTILVVNIKPGMAFNSTGIINETS DHS
EILDTTNSYL I KTCMILVFLSSIFGYCKEAGQIFQQRNYFMDISNVLEWIIYTTGII FVLP L FVEIPA
HLQWQCGAIAVYFYWMNFLLYLQRFENCGIFIVMLEVILKTLRSTVVFIFLLAFGLSFYILLNLQDP
FSSPLL SIIQTF SMMLGDINYSRESFLEPYLRNELAHPVL SFAQLVSFTIFVPIVLMNLLIGLAVGDIAE
VQKHASLKRIAMQVELHTSLEKKLPLWFLRKVDQKSTIVYPNKPRSGMFLHFIFCFLCTGEIRQEPN
ADKSLEMEILKQKYRLKDLTFLLEKQHEL I KLI I QKMEI I SETEDDDSHCSFQDRFKKEQMEQRNSRWN
TVLRAVKAKTHHLEP
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
    
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Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_007332

ORF Size: 3357 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq Size: 5190 bp

RefSeq ORF: 3360 bp

Locus ID: 8989

UniProt ID: [O75762](#)

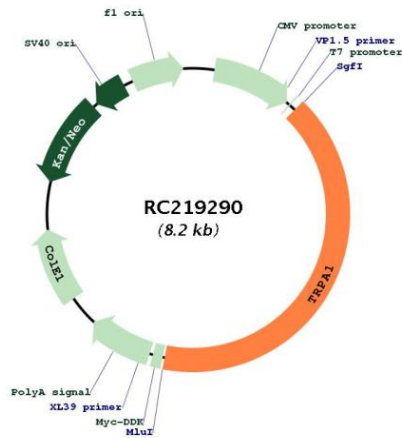
Cytogenetics: 8q21.11

Protein Families: Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane

MW: 127.5 kDa

Gene Summary: The structure of the protein encoded by this gene is highly related to both the protein ankyrin and transmembrane proteins. The specific function of this protein has not yet been determined; however, studies indicate the function may involve a role in signal transduction and growth control. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC219290