

Product datasheet for RC207535

Tspan 13 (TSPAN13) (NM_014399) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tspan 13 (TSPAN13) (NM_014399) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tspan 13
Synonyms: NET-6; NET6; TM4SF13
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC207535 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTTTTCGGGGGCTTCGCGTGTCCAAGAAGTCCCTGTGCGCCCTCAACCTGCTTTACACCTTGTTA
 GTCTGCTGCTAATTGGAATTGCTGCGTGGGCGATTGGCTTCGGGCTGATTTCCAGTCTCCGAGTGGTCGG
 CGTGGTCATTGCAGTGGGCATCTTCTTGTCTGATTGCTTTAGTGGGTCTGATTGGAGCTGAAAAACAT
 CATCAGGTGTTGTTATTTTTTATATGATTATTCTGTTACTTGTATTTATTGTTTCAGTTTTCTGTATCTT
 GCGCTTGTAGCCCTGAACCAGGAGCAACAGGGTCAGCTTCTGGAGTTGGTTGGAACAATACGGCAAG
 TGCTCGAAATGACATCCAGAGAAATCTAAACTGCTGTGGGTTCCGAAAGTTAAACCAAAATGACACCTGT
 CTGGCTAGCTGTGTTAAAAGTGACCACTCGTGCTCGCCATGTGCTCCAATCATAGGAGAATATGCTGGAG
 AGGTTTTGAGATTTGTTGGTGGCATTGGCCTGTTCTTCAGTTTTACAGAGATCCTGGGTGTTGGCTGAC
 CTACAGATACAGGAACAGAAAGACCCCGCGCAATCCTAGTGCATTCCTT

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC207535 protein sequence
 Red=Cloning site Green=Tags(s)

MVCGGFACSKNCLCALNLLYTLVSLLLIGIAAWGIGFGLISSLRVVGVIIVGIFLFLIALVGLIGAVKH
 HQVLLFFYMIILLVFIQFVSVSACLALNQEQQQLLEVGWNNNTASARNDIQRNLNCCGFRSVNPNDTC
 LASCVKSDHSCSPCAPIIGEYAGEVLRVGGIGLFFSFTEILGVWLTYYRNRQKDPANPSAFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/mk6334_g04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014399

ORF Size: 612 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: [NM_014399.4](#)

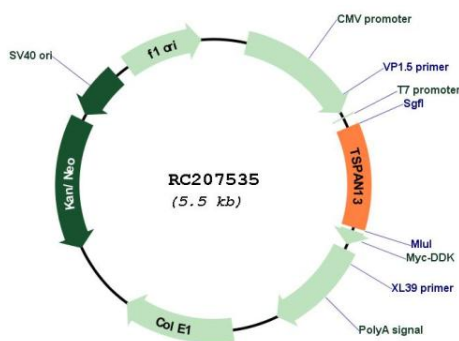
RefSeq Size: 1912 bp

RefSeq ORF: 615 bp

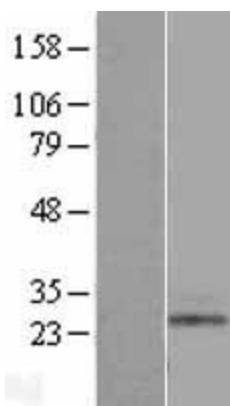
Locus ID: 27075

UniProt ID: [O95857](#)
Cytogenetics: 7p21.1
Domains: transmembrane4
Protein Families: Druggable Genome, Transmembrane
MW: 22.1 kDa
Gene Summary: The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. [provided by RefSeq, Jul 2008]

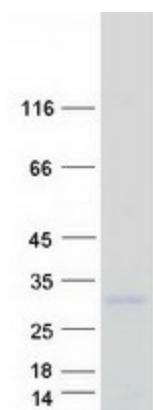
Product images:



Circular map for RC207535



Western blot validation of overexpression lysate (Cat# [LY415294]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207535 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TSPAN13 protein (Cat# [TP307535]). The protein was produced from HEK293T cells transfected with TSPAN13 cDNA clone (Cat# RC207535) using MegaTran 2.0 (Cat# [TT210002]).