

Product datasheet for RC207457

TSPAN10 (NM_031945) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSPAN10 (NM_031945) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TSPAN10
Synonyms:	OCSP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC207457 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGGAGGGGAGAGGAGCCCTTACTGTCCCAGGAACTGCAGGCCAGAAGCCCTCTCTGTGCACA
GGCCACCCACCTCAGGCTGCCTAGGTCCAGTGCCAGGGAGGACCAGGCGGAGGCCTGGGGCTGCAGCTG
CTGTCCCCCGGAGACCAAGCACCAGGCCTTGAGTGGCACTCCCAAGAAAGGACCAGCCCTTCCCTCTCC
CCAGGGAGCAGCTGCGTCAAGTATCTGATCTTCTCTCCAACCTCCCTTCTCCCTGCTGGGGCTGCTGG
CCCTGGCCATCGGGCTCTGGGGCTGGTGTCAAGGGTCTCTGGGAAGTATCTGGGGGGCCCTGCC
CACAGACCCATGCTGGGGCTGGCACTGGGAGGCTGGTGGTCAAGGCGCAGCGAGCCTGGCTGGCTGCCTG
GGCGCCCTCTGCGAGAACACCTGCTGTTACGTGGCTTCTCCGGGGCATCCTTGCCCTTCTGGTGCCTG
AGGCCGTGGCGGGGGCCCTGGTGGTGGCCCTCTGGGGCCCGCTGCAAGACAGCCTGGAGCACACCCTGCG
TGTGGCCATCGCCCACTACCAGGACGACCCAGACCTGCGCTTCTCCTCGACCAAGTCCAGCTCGGGCTG
AGGTGCTGCGGAGCTGCCTCCTACCAGGACTGGCAGCAGAACCTGTACTTTAACTGCAGCTCCCCGGGG
TGCAGGCTGCAGCCTTCCCGCCTCTGCTGCATCGACCCCGCAAGATGGAGCCTCTGTCAACGACCA
GTGCGGCTTCCGGGTCTGCGCCTGGATGCGGACGACGCTCAGAGAGTGGTGTACCTGGAGGGCTGCGGC
CCGCCGCTCCGGCGGTGGCTGCGCGCAACCTGGCTGCCTCGGGCGGCTACGCAATCGCGGTGGTGTGCTG
TGAGGGCGCGGAGCTCCTGCTGGCCGCGGCTACTCGGGGCCCTCGCTGCCCGCAGTGGGGCGGCGTA
CGGCCCGGAGCGCGGGGAGGACCGCTGGCCCCAGAGCCCCAGCCCCGGCGCCCGCCGCTGCC
AAACCGCCCGGGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RC207457 protein sequence
Red=Cloning site Green=Tags(s)

MEEGERSPLLSQETAGQKPLSVHRPPTSGCLGPVPREDQAEAWGCSCPPETKHQALSGTPKKGPAPSLSPGSSCVKYLIFLSNFPSLLGLLALAIGLWGLAVKGSLSLGGPLPTDPLMLGLALGGLVVAASLAGCLGALCENTCLLRGFSGGILAFVLVEAVAGALVVALWGPLQDSLEHTLRVAIAHYQDDPDLRFLLDQVQLGLRCCGAASYQDWQNL YFNCSSPGVQACSLPASCCIDPREDGASVNDQCGFVLRDLADAAAQRVVYLEGCGPPLRRWLRANLAASGGYAI AVVLLQGAELLLAARLLGALAARSGAAYGPGARGEDRAGPQSPSPGAPPAAKPARG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6858_h05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_031945

ORF Size: 1065 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_031945.2](#), [NP_114151.2](#)

RefSeq Size: 1659 bp

RefSeq ORF: 1068 bp

Locus ID: 83882

UniProt ID: [Q9H1Z9](#)

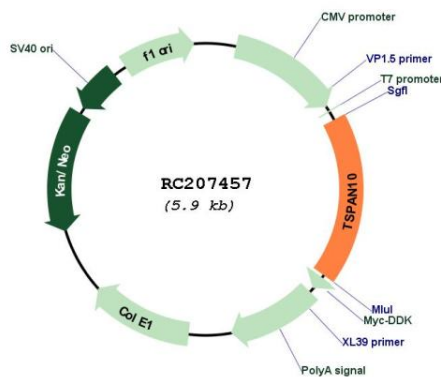
Cytogenetics: 17q25.3

Protein Families: Transmembrane

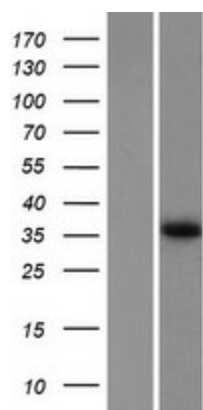
MW: 36.5 kDa

Gene Summary: Regulates maturation of the transmembrane metalloprotease ADAM10.[UniProtKB/Swiss-Prot Function]

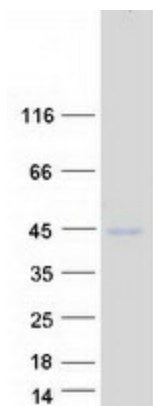
Product images:



Circular map for RC207457



Western blot validation of overexpression lysate (Cat# [LY410428]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207457 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TSPAN10 protein (Cat# [TP307457]). The protein was produced from HEK293T cells transfected with TSPAN10 cDNA clone (Cat# RC207457) using MegaTran 2.0 (Cat# [TT210002]).