

Product datasheet for MR202186

Tspan15 (BC003872) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tspan15 (BC003872) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tspan15
Synonyms: 1110036D12Rik; 2700063A19Rik; AW048364; Tm4sf15
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR202186 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCTCGCGGGGACTCGGAGCAGGTGCGCTACTGCGCGCGTTCTCCTATCTTTGGCTCAAGTTCTCTC
 TCATCATCTACTCCACCGTGTCTGGCTGATTGGGGCCCTGGTCTGTGGTGGGATCTACGCAGAGGC
 AGAGCGGCAGAAATACAAAACCCTGGAGAGTGCCTTCTGGCCCCGCCATTATCCTCATCTCTGGGG
 GTGGTCATGTTTCATCGTCTCCTTCATCGGGGTGCTGGCTCCCTCCGGGACAACCTGTGCCTTCTGCAGT
 CGTTTATGTATATCCTGGGGATCTGCCTGGTCATGGAGCTGATTGGTGGCATAAGTGGCTTTGATCTCCG
 GAACCAGACTATTGACTTCTGAACGACAACATTCGGAGAGGAATCGAGAATTACTACGATGATCTGGAC
 TTCAAGAACATCATGGACTTTGTTCAAGAAGTTCAAGTGTGTGGCGGGGAGGACTACAGAGACTGGA
 GCAAAAACCAGTACCACGACTGCAGCGCCCCGGGCCCTGGCCTGCGGGGTGCCCTACACCTGCTGCAT
 CAGGAACACGATGTTGTCAACACCATGTGTGGCTACAAAACAATCGACAAGGAGCGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR202186 protein sequence
 Red=Cloning site Green=Tags(s)

MPRGDSEQVRYCARFSYLWLFSLIIYSTVFWLIGGLVLSVGIYAEAERQKYKTLES AFLAPAILILLG
 VVMFIVSFIGVLASLRDNLCLLQSFMYILGICLVMELIGGIIVALIFRNQTI DFLNDNIRRG IENYDDLD
 FKNIMDFVQKKFKCCGGEDYRDWSKNQYHDCSAPGPLACGVPTCCIRNTMLSTPCVATKQSTRSA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC003872

ORF Size: 618 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: [BC003872](#), [AAH03872](#)

RefSeq Size: 1661 bp

RefSeq ORF: 620 bp

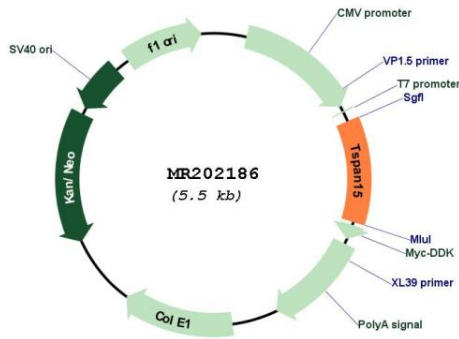
Locus ID: 70423

Cytogenetics: 10 B4

MW: 23.4 kDa

Gene Summary: Regulates maturation and trafficking of the transmembrane metalloprotease ADAM10 (PubMed:23035126, PubMed:26668317). Promotes ADAM10-mediated cleavage of (CDH2) (PubMed:26668317). Negatively regulates ligand-induced Notch activity probably by regulating ADAM10 activity (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202186