

Product datasheet for MR213074

Tspan15 (NM_197996) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tspan15 (NM_197996) 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: >MR213074 representing NM_197996
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCTCGCGGGGACTCGGAGCAGGTGCGCTACTGCGCGCCTTCTCCTATCTTTGGCTCAAGTTCTCTC
 TCATCATCTACTCCACCGTGTCTGGCTGATTGGGGCCCTGGTCCTGTCAGTGGGATCTACGCAGAGGC
 AGAGCGGCAGAAATACAAAACCCTGGAGAGTGCCTTCTGGCCCCGCCATCATCCTCATCTCCTGGGG
 GTGGTCATGTTTCATCGTCTCCTTCATCGGGGTGCTGGCTTCCCTCCGGGACAACCTGTGCCTTCTGCAGT
 CGTTTATGTATATCCTGGGGATCTGCCTGGTCATGGAGCTTATTGGTGGCATAAGTGGCTTTGATCTCCG
 GAACCAGACTATTGACTTCTGAACGACAACATCCGGAGAGGAATCGAGAATTACTACGATGATCTGGAC
 TTCAAGAACATCATGGACTTTGTTCAAGAAGTTCAAGTGTGTGGCGGGGAGGACTACAGAGACTGGA
 GCAAAAACCAGTACCATGACTGCAGCGCCCCGGGCCCTGGCCTGCGGGGTGCCCTACACCTGCTGCAT
 CAGGAACACGACAGATGTTGTCAACACCATGTGTGGCTACAAAACAATCGACAAGGAGCGCCTGAATGCA
 CAGAACATCATTACGTGCGGGGCTGCACCAACGCCGTGTTGATATGGTTCATGGACAATATACCATCA
 TGGCGGGCCTTTACTGGGCATCCTGCTTCCCTCAGTTTCTTGGTGTGCTGCTGACCCTACTGTACATCAC
 CCGTGTGGAGGACATTATCTTGGAGCACTCTGTACGGATGGATTGCTGGGACCTGGTCCAAGTCCAGA
 ACGGACACAGCAGGCACTGGATGCTGCCTGTGCTATCCCGAT

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR213074 representing NM_197996
Red=Cloning site Green=Tags(s)

MPRGDSEQVRYCARFSYLWLKFLSLIIYSTVFWLIGGLVLSVGIYAEAERQKYKTLESAFLAPAILLLG
VVMFIVSFIVGLASLRDNLCLLQSFMYILGICLVMELIGGIVALIFRNQITDFLNDNIRRGIIENYDDL
FKNIMDFVQKKFKCCGGEDYRDWSKNQYHDCSAPGPLACGVPTCCIRNTDVTMTCGYKTIDKERLNA
QNIHVRGCTNAVLIWFMNYTIMAGLLLGILLPQFLGVLLTLLYITRVEDIILEHSVTDGLLPGAKSR
TDTAGTGCCLCYPD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9028_a04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_197996

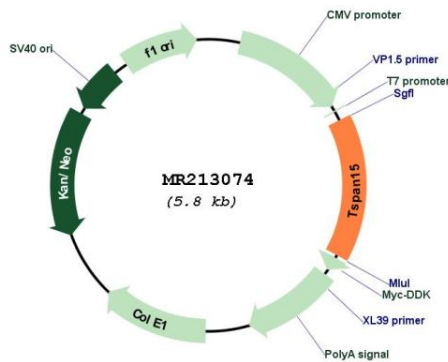
ORF Size: 882 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none"> 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:	<u>NM_197996.2</u> , <u>NP_932113.2</u>
RefSeq Size:	3605 bp
RefSeq ORF:	885 bp
Locus ID:	70423
UniProt ID:	<u>F7BWT7</u>
Cytogenetics:	10 B4
MW:	33.5 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 MR213074