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Product datasheet for RG200767

TSPAN15 (NM_012339) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSPAN15 (NM_012339) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TSPAN15
Synonyms:	2700063A19Rik; NET-7; NET7; TM4SF15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG200767 representing NM_012339
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGCGCGGGGACTCGGAGCAGGTGCGCTACTGCGCGCGCTTCTCCTACCTCTGGCTCAAGTTTTCAC
TTATCATCTATTCCACCGTGTTCTGGCTGATTGGGGCCCTGGTCCTGTCTGTGGGCATCTATGCAGAGGT
TGAGCGGCAGAAATATAAAACCCTTGAAAGTGCCTTCCTGGCTCCAGCCATCATCCTCATCCTCCTGGGC
GTCGTCATGTTCATGGTCTCCTTCATTGGTGTGCTGGCGTCCCTCCGTGACAACCTGTACCTTCTCCAAG
CATTCATGTACATCCTTGGGATCTGCCTCATCATGGAGCTCATTGGTGGCGTGGTGGCCTTGACCTTCCG
GAACCAGACCATTGACTTCCTGAACGACAACATTCGAAGAGGAATTGAGAACTACTATGATGATCTGGAC
TTCAAAAACATCATGGACTTTGTTCAGAAAAAGTTCAAGTGCTGTGGCGGGGAGGACTACCGAGATTGGA
GCAAGAATCAGTACCACGACTGCAGTGCCCCTGGACCCCTGGCCTGTGGGGTGCCCTACACCTGCTGCAT
CAGGAACACGACAGAAGTTGTCAACACCATGTGTGGCTACAAAACTATCGACAAGGAGCGTTTCAGTGTG
CAGGATGTCATCTACGTGCGGGGCTGCACCAACGCCGTGATCATCTGGTTCATGGACAACTACACCATCA
TGGCGGGCATCCTCCTGGGCATCCTGCTTCCCCAGTTCCTGGGGGTGCTGCTGACGCTGCTGTACATCAC
CCGGGTGGAGGACATCATCATGGAGCACTCTGTCACTGATGGGCTCCTTGGGCCCGGTGCCAAGCCCAGC
GTGGAGGCGGCAGGCACGGGATGCTGCTTGTGCTACCCCAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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Protein Sequence:

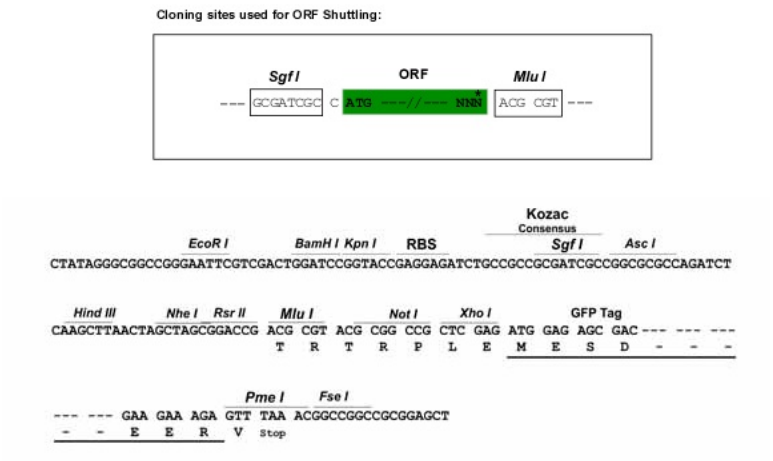
>RG200767 representing NM_012339
Red=Cloning site Green=Tags(s)

MPRGDSEQVRYCARFSYLWLKFSLIIYSTVFWLIGALVLSVGIYAEVERQKYKTLESAFLAPAIILILLG
VVMFMVSFIGVLASLRDNLYLLQAFMYILGICLIMELIGGVVALTFRNQTIDFLNDNIRRGIENYYDDLD
FKNIMDFVQKKFKCCGGEDYRDWSKNQYHDCSAPGPLACGVPYTCCIRNTTEVVNTMCGYKTIDKERFSV
QDVIYVRGCTNAVIIWFMDNYTIMAGILLGILLPQFLGVLLTLLYITRVEDIIMEHSVTDGLLGPGAKPS
VEAAGTGCCLCYPN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012339

ORF Size: 882 bp

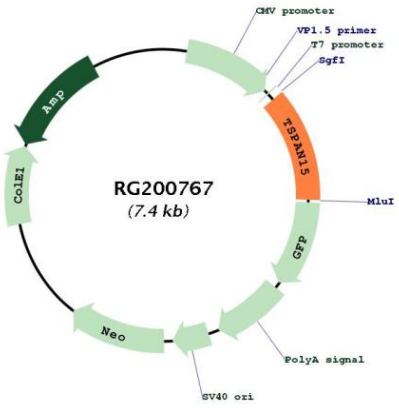
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_012339.3, NP_036471.1
RefSeq Size:	1726 bp
RefSeq ORF:	885 bp
Locus ID:	23555
UniProt ID:	O95858
Cytogenetics:	10q22.1
Domains:	transmembrane4
Protein Families:	Transmembrane
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. The use of alternate polyadenylation sites has been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG200767