

Product datasheet for **RG206943**

TSPAN12 (NM_012338) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSPAN12 (NM_012338) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TSPAN12
Synonyms:	EVR5; NET-2; NET2; TM4SF12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206943 representing NM_012338 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGAGAAGATTCCGTGAAGTGTCTGCGCTGCCTGCTCTACGCCCTCAATCTGCTCTTTGGTTAA
TGTCCATCAGTGTGTTGGCAGTTTCTGCTTGGATGAGGGACTACCTAAATAATGTTCTCACTTTAACTGC
AGAAACGAGGGTAGAGGAAGCAGTCATTCGACTACTTCTGTGGTTCATCCGGTCATGATTGCTGTT
TGCTGTTTCTTATCATTGTGGGATGTTAGGATATTGTGGAACGGTAAAAGAAATCTGTTGCTTCTTG
CATGGTACTTTGGAAGTTTCTGTCATTTTCTGTGTAGAACTGGCTTGTGGCGTTTGGACATATGAACA
GGAAGTTATGGTTCCAGTACAATGGTCAGATATGGTCACTTTGAAAGCCAGGATGACAAATTATGGATTA
CCTAGATATCGGTGGCTTACTCATGCTTGGAAATTTTTTTCAGAGAGAGTTTAAAGTCTGTGGAGTAGTAT
ATTTCACTGACTGGTTGGAAATGACAGAGATGGACTGGCCCCAGATTCCTGCTGTGTTAGAGAATCCC
AGGATGTTCCAAACAGGCCACCAGGAAGATCTCAGTGACCTTTTCAAGAGGGTTGTGGGAAGAAAATG
TATTCCTTTTGGAGGAACCAACAACCTGCAGGTGCTGAGGTTTCTGGGAATCTCCATTGGGGTGACAC
AAATCTGGCCATGATTCTACCATTACTCTGCTCTGGGCTCTGTATTATGATAGAAGGGAGCCTGGGAC
AGACCAATGATGTCCTTGAAGAATGACAACTCTCAGCACCTGTATGTCCTCAGTAGAACTGTTGAAA
CCAAGCCTGTCAAGAATCTTTGAACACACATCCATGGCAAACAGCTTTAATACACACTTTGAGATGGAGG
AGTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206943 representing NM_012338
 Red=Cloning site Green=Tags(s)

MAREDSVKLRCLLYALNLLFWLMSISVLAVSAWMRDYLNNVLTETAETRVEEAVISTYFPVVPVPMIAV
 CCFLIIIVGMLGYCGTVKRNLLLLAWYFGSLLVIFCVELACGVWVYEQELMVPVQWSDMVTLKARMTNYGL
 PRYRWLTHAWNFFQREFKCCGVVYFTDWLEMTMDWPPDSCCVREFPGCSKQAHQEDLSDLYQEGCGKKM
 YSFLRGTKQLQVLRFLGISIGVTQILAMILTITLLWALYYDRREPQDQMMSLKNDNSQHLSCPSVELLK
 PLSRIFEHSTSMANSFNTHFEMEEL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012338

ORF Size: 915 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_012338.3](#), [NP_036470.1](#)

RefSeq Size: 2579 bp

RefSeq ORF: 918 bp

Locus ID: 23554

UniProt ID: [O95859](#)

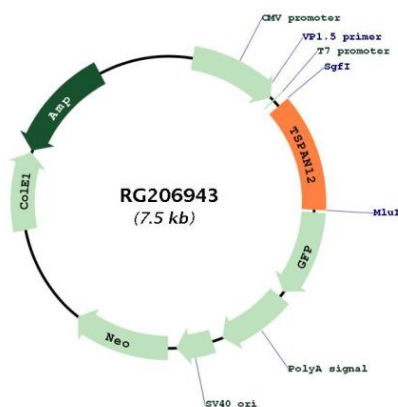
Cytogenetics: 7q31.31

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. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG206943