

Product datasheet for **RC206943**

TSPAN12 (NM_012338) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSPAN12 (NM_012338) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TSPAN12
Synonyms:	EVR5; NET-2; NET2; TM4SF12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206943 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCAGAGAAGATTCCGTGAAGTGTCTGCGCTGCCTGCTCTACGCCCTCAATCTGCTCTTTGGTTAA
TGTCCATCAGTGTGTTGGCAGTTTCTGCTTGGATGAGGGACTACCTAAATAATGTTCTCACTTTAACTGC
AGAAACGAGGGTAGAGGAAGCAGTCATTCGACTACTTCTGTGGTTCATCCGGTCATGATTGCTGTT
TGCTGTTTCTTATCATTGTGGGATGTTAGGATATTGTGGAACGGTAAAAGAAATCTGTTGCTTCTTG
CATGGTACTTTGGAAGTTTCTGTCATTTTCTGTGTAGAACTGGCTTGTGGCGTTTGGACATATGAACA
GGAAGTTATGGTTCCAGTACAATGGTCAGATATGGTCACTTTGAAAGCCAGGATGACAAATTATGGATTA
CCTAGATATCGGTGGCTTACTCATGCTTGGAAATTTTTTCAGAGAGAGTTTAAAGTCTGTGGAGTAGTAT
ATTTCACTGACTGGTTGGAAATGACAGAGATGGACTGGCCCCAGATTCTCTGCTGTGTAGAGAATCCC
AGGATGTTCCAAACAGGCCACCAGGAAGATCTCAGTGACCTTTTCAAGAGGGTTGTGGGAAGAAAATG
TATTCCTTTTGGAGGAACCAACAACCTGCAGGTGCTGAGGTTTCTGGGAATCTCCATTTGGGGTGACAC
AAATCTGGCCATGATTCTCACCATTCTGCTCTGGGCTCTGTATTATGATAGAAGGGAGCCTGGGAC
AGACCAATGATGTCCTTGAAGAATGACAACTCTCAGCACCTGTATGTCCTCAGTAGAACTGTTGAAA
CCAAGCCTGTCAAGAATCTTTGAACACACATCCATGGCAAACAGCTTTAATACACACTTTGAGATGGAGG
AGTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC206943 protein sequence
Red=Cloning site Green=Tags(s)

MAREDSVKLRCLLYALNLLFWLMSISVLAVSAWMRDYLNNVLTETAETRVEEAVISTYFPVHPVMIIV
 CCFLIIIVGMLGYCGTVKRNLLLLAWYFGSLLVIFCVELACGVWTEQELMVPVQWSDMVTLKARMTNYGL
 PRYRWLTHAWNFFQREFKCCGVVYFTDWLEMTMDWPPDSCCVREFPGCSKQAHQEDLSLYQEGCGKKM
 YSFLRGTKQLQVLRFLGISIGVTQILAMILTITLLWALYYDRREPQDQMMSLKNDNSQHLSCPSVELLK
 PLSLRIFEHTSMANSFNTHFEMEEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

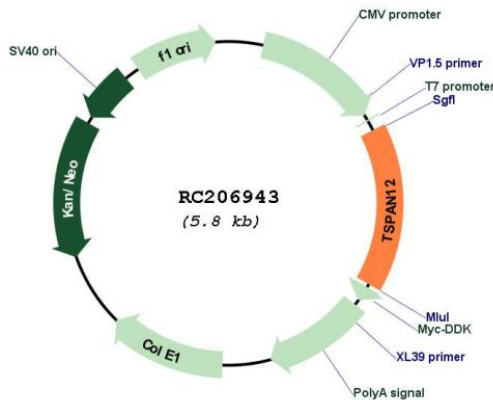
Chromatograms: https://cdn.origene.com/chromatograms/mk6074_a03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

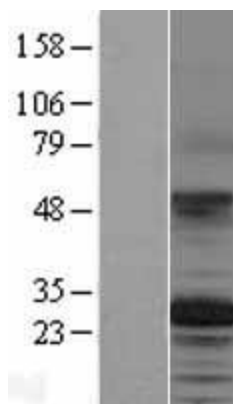


Plasmid Map:

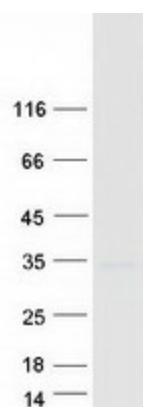


ACCN: NM_012338

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:	<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:	NM_012338.4
RefSeq Size:	2579 bp
RefSeq ORF:	918 bp
Locus ID:	23554
UniProt ID:	O95859
Cytogenetics:	7q31.31
Domains:	transmembrane4
Protein Families:	Transmembrane
MW:	35.4 kDa
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:

Western blot validation of overexpression lysate (Cat# [LY402200]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206943 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TSPAN12 protein (Cat# [TP306943]). The protein was produced from HEK293T cells transfected with TSPAN12 cDNA clone (Cat# RC206943) using MegaTran 2.0 (Cat# [TT210002]).