

Product datasheet for **RC236892**

TSPAN16 (NM_001282509) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSPAN16 (NM_001282509) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TSPAN16
Synonyms:	TM-8; TM4-B; TM4SF16
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC236892 representing NM_001282509 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTGAAATCCACACTCCGTATTCTTCCTTGAAGAACTGTTATCTTTACTCAATGGCTTCGTGGCTG
TGTCTGGCATCATCCTAGTTGGCCTGGCATTGGTGGTAAATGTGGAGGGCCTCTCGACGAATGTCCT
CGGGCTGTCTCCGCATACCTCCTTACGTTGGCAACCTGTGCCTGGTGATGGGATGCATCACGGTACTG
CTTGGCTGTGCCGGTGGTATGGAGCGACTAAAGAGAGCAGAGGCACGCTCTGTTTTGCATCCTGTCAA
TGGTTATTGTCCATCATGGAAGTTACAGCTGCCACAGTGGTCTTCTTTTCTTCCAATTGTTGGAGA
TGTGGCCTTGAACACACCTTCGTGACCCTGAGGAAGAATTACAGAGGTTACAACGAGCCAGACGACTAT
TCTACACAGTGGAACTTGGTCATGGAGAAGCTAAAGTGTGTGGGGTGAATAACTACACAGATTTTTCTG
GCTCTTCTTCGAAATGACAACGGGCCACACCTACCCAGGAGTTGCTGTAATCCATCGGAAGTGTGTC
CTGTGACGGACGCGATGTGTCTCAAACGTCATCCACCAGAAGGGCTGTTCCATAAACTCCTAAAAATC
ACCAAGACTCAGAGCTTACCCTGAGTGGGAGCTCTCTGGGAGCTGCAGTGATACAGTTGCCAGGAATTC
TTGCCACTTTGCTGCTGTTTATCAAGCTGGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC236892 representing NM_001282509
Red=Cloning site Green=Tags(s)

MAEIHTPYSSLKKLLSLLNGFVAVSGIILVGLGIGGKCGGASLTNVLGLSSAYLLHVGNLCLVMGCITVL
 LGCAGWYGATKESRGTLLFCILSMVIVLIMEVTAATVLLFFPIVGDVALEHTFVTLRKNYRGYNPDDY
 STQWNLVMEKLKCCGVNNYTDGSGSSFEMTTGHTYPRSCCKSIGSVSCDGRDVPNVIIHQKGFHKLKLI
 TKTQSFTLGSSSLGAAVIQLPGILATLLLFIKLG

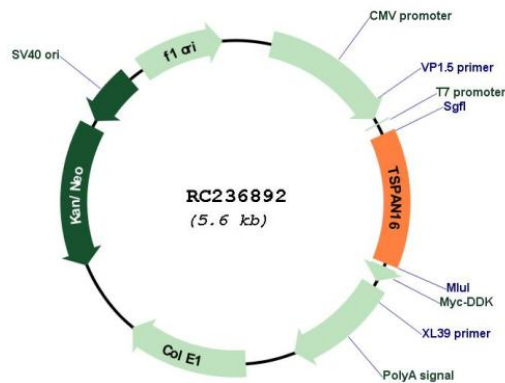
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001282509
ORF Size: 732 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_001282509.2
RefSeq Size:	1045 bp
RefSeq ORF:	735 bp
Locus ID:	26526
UniProt ID:	Q9UKR8
Cytogenetics:	19p13.2
Protein Families:	Transmembrane
MW:	26.5 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. This encoded protein might couple to signal transduction pathways and possibly modulate cellular activation and adhesion in haemopoietic and neural tissue. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2013]