

## Product datasheet for **RC210032**

### Tetraspanin 9 (TSPAN9) (NM\_006675) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tetraspanin 9 (TSPAN9) (NM_006675) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tetraspanin 9
Synonyms:	NET-5; NET5; PP1057
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC210032 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCAGGGGCTGCCTCTGCTGCTTGAAGTACATGATGTTCTCTTCAATTTGATATTCTGGCTCTGTG  
GCTGTGGGCTGCTGGGAGTGGGCATCTGGCTCTCCGTGTCCCAAGGCAACTTTGCCACCTTCTCCCCAG  
CTTCCCTTCGTTGTCTGCAGCCAACCTGGTCATTGCCATAGGCACCATTTGTCATGGTGACGGGCTTCCTC  
GGCTGCCTGGGGCCATCAAGGAAAACAAGTGCCTCCTCCTCAGCTTTTTCATCGTCCTGTTGGTCATCC  
TCCTAGCAGAGCTGATCTTACTCATCTCTTCTTTGTCTACATGGACAAGGTGAACGAGAACGCCAAGAA  
GGACCTGAAGGAAGGCCTGCTGCTGTACCACACCGAGAACAACGTGGGGCTGAAGAACGCCTGGAACATC  
ATCCAGGCTGAGATGCGATGCTGTGGTGTCACTGACTACACAGACTGGTACCCAGTGCTGGGGGAGAACA  
CGGTTCCCGACCGCTGCTGCATGGAGAAGTCCCAGGGCTGCGGGCGCAACGCCACCCACGCCTTTGTGGAG  
AACGGGCTGCTATGAAAAGGTGAAGATGTGGTTCGATGACAATAAGCACGTGCTGGGCACGGTGGGGATG  
TGCATCTCATCATGCAGATCCTGGGCATGGCCTTCTCCATGACCCTCTCCAGCACATCCACGGGACTG  
GTAAGAAGTACGACGCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC210032 protein sequence  
 Red=Cloning site Green=Tags(s)

MARGCLCCLKYMFLFNLIFWLCGCLLGVGIWLSVSQGNFATFSPSFPSLSAANLVIAIGTIVMTGFL  
 GCLGAIKENKCLLLSFFIVLLVILLAELILLILFFVYMDKVNENAKKDLKEGALLYHTENNVLKNAWNI  
 IQAEMRCCGVTDYTDWYVPLGENTVPDRCCMENSQGCGRNATTPLWRTGCEYKVKMWFDDNKHVLGTVM  
 CILIMOILGMAFSMTLFOHIHRTGKKYDA

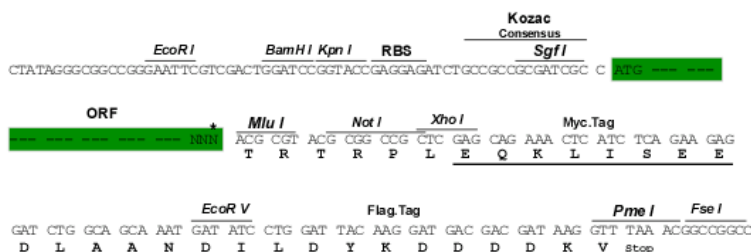
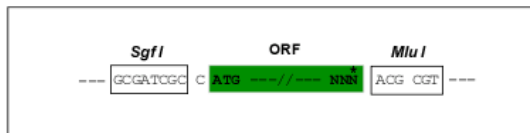
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6543\\_c12.zip](https://cdn.origene.com/chromatograms/mk6543_c12.zip)

**Restriction Sites:** Sgfl-MluI

### Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

ACCN: NM 006675

ORF Size: 717 bp

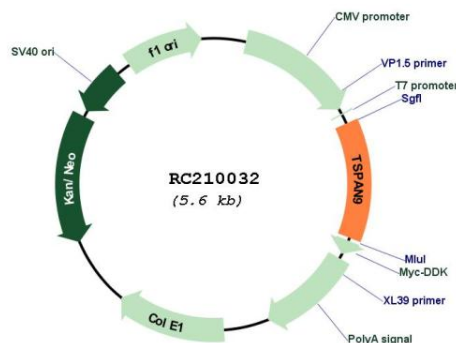
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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.

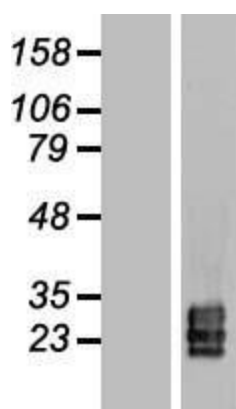
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

<b>Reconstitution Method:</b>	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.
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_006675.5</u>
<b>RefSeq Size:</b>	4351 bp
<b>RefSeq ORF:</b>	720 bp
<b>Locus ID:</b>	10867
<b>UniProt ID:</b>	<u>O75954</u>
<b>Cytogenetics:</b>	12p13.33-p13.32
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	26.8 kDa
<b>Gene Summary:</b>	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. Alternatively spliced transcripts encoding the same protein have been identified. [provided by RefSeq, Nov 2009]

## Product images:



Circular map for RC210032



Western blot validation of overexpression lysate (Cat# [LY416492]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210032 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).