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Product datasheet for RC205934

Transmembrane 4 L6 family member 1 (TM4SF1) (NM_014220) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Transmembrane 4 L6 family member 1 (TM4SF1) (NM_014220) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Transmembrane 4 L6 family member 1
Synonyms:	H-L6; L6; M3S1; TAAL6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC205934 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGCTATGGGAAGTGTGCACGATGCATCGGACATTCTCTGGTGGGGCTCGCCCTCCTGTGCATCGCGG
CTAATATTTTGCTTTACTTTCCCAATGGGGAAACAAAGTATGCCTCCGAAAACCACCTCAGCCGCTTCGT
GTGGTTCTTTTCTGGCATCGTAGGAGGTGGCCTGCTGATGCTCCTGCCAGCATTTGTCTTCATTGGGCTG
GAACAGGATGACTGCTGTGGCTGCTGTGGCCATGAAAACTGTGGCAAACGATGTGCGATGCTTTCTTCTG
TATTGGCTGCTCTCATTGGAATTGCAGGATCTGGCTACTGTGTCATTGTGGCAGCCCTTGGCTTAGCAGA
AGGACCACTATGTCTTGATTCCCTCGGCCAGTGGAACTACACCTTTGCCAGCACCGAGGGCCAGTACCTT
CTGGATACCTCCACATGGTCCGAGTGCACTGAACCCAAGCACATTGTGGAATGGAATGTATCTCTGTTTT
CTATCCTCTTGGCTCTTGGTGGAATTGAATTCATCTTGTGTCTTATTCAAGTAATAAATGGAGTGCTTGG
AGGCATATGTGGCTTTTGCTGCTCTCACCAACAGCAAATGACTGCTAAAAGAACCAACCCAGGACAGAGC
CACAATCTTCCTCTATTTCATTGTAATTTATATATTTCACTTGTATTCATTTGTAAAACTTTGTAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC205934 protein sequence
Red=Cloning site Green=Tags(s)

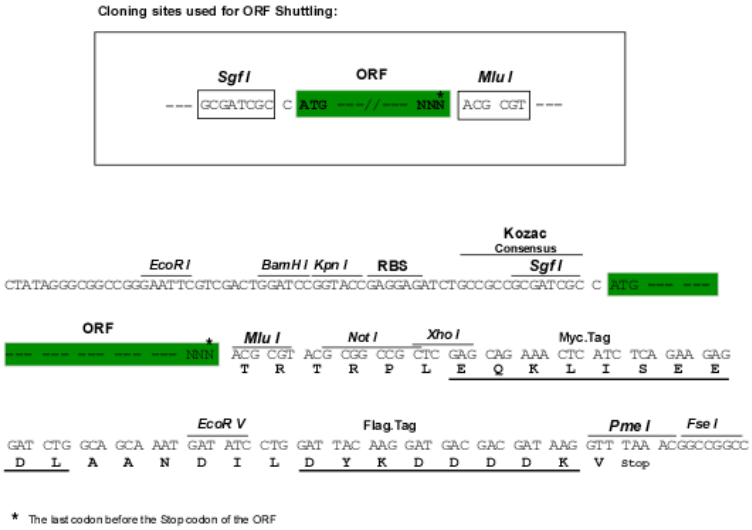
MCYGKCARCIGHSLVGLALLCIAANILLYFPNGETKYASENHLSRFVWFFSGIVGGGLLMLLPAFVFIGL
EQDDCCGCCGHENCGKRCAMLSSVLAALIGIAGSGYCVIVAALGLAEGPLCLDSLGQWNYTFASTEGQYL
LDTSTWSECTEPKHIVEWNVSLFSILLALGGIEFILCLIQVINGVLGGICGFCCSHQQQMTAKRTNPGQS
HNLPLFHCNLYISLVFICKTLY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6288_a06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014220

ORF Size: 696 bp

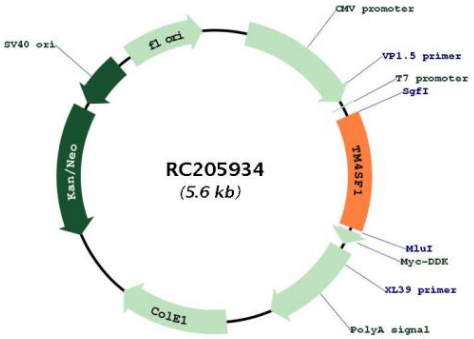
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 Size:	1712 bp
RefSeq ORF:	609 bp
Locus ID:	4071
UniProt ID:	P30408
Cytogenetics:	3q25.1
Protein Families:	Transmembrane
MW:	25.1 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 is a cell surface antigen and is highly expressed in different carcinomas. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC205934