

Product datasheet for **SC104250**

Transmembrane 4 L6 family member 1 (TM4SF1) (BC034145) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Transmembrane 4 L6 family member 1 (TM4SF1) (BC034145) Human Untagged Clone
Tag:	Tag Free
Symbol:	Transmembrane 4 L6 family member 1
Synonyms:	H-L6; L6; M3S1; membrane component, chromosome 3, surface marker 1; TAAL6; transmembrane 4 L six family member 1; transmembrane 4 superfamily member 1; tumor-associated antigen L6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for BC034145, the custom clone sequence may differ by one or more nucleotides

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ATGTGCTATGGGAAGTGTGCACGATGCATCGGACATTCTCTGGTGGGGCTCGCCCTCTGTGCATCGCGG  
CTAATATTTTGTCTTACTTTCCCAATGGGGAAACAAAGTATGCCTCCGAAAACACCTCAGCCGCTTCGT  
GTGGTTCTTTTCTGGCATCGTAGGAGGTGGCCTGCTGATGCTCCTGCCAGCATTGTCTTCATTGGGCTG  
GAACAGGATGACTGCTGTGGCTGCTGTGGCCATGAAAACGTGGCAAACGATGTGCGATGCTTTCTTCTG  
TATTGGCTGCTCTCATTGGAATTGCAGGATCTGGCTACTGTGTCATTGTGGCAGCCCTTGCTTAGCAGA  
AGGACCACTATGTCTTGATTCCCTCGGCCAGTGGAACTACACCTTTGCCAGCACCGAGGGCCAGTACCTT  
CTGGATACCTCCACATGGTCCGAGTGCCTGAACCAAGCACATTGTGGAATGGAATGTATCTCTGTTTT  
CTATCCTCTTGGCTCTTGGTGAATTGAATTCATCTTGTGCTTATTCAAGTAATAAATGGAGTGCCTGG  
AGGCATATGTGGCTTTTGTGCTCTACCAACAGCAAATGACTGCTAAAAGAACCAACCCAGGACAGAGC  
CACAATCTCCTCTATTTATTGTAATTTATATATTTCACTTGTATTCAATTTGAAAACCTTGTATTAG
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for BC034145 unedited</p> <pre> ACCTAACGCGCCCCGTTGCACGCTTGGGCGGTAGGCGAGTACGGTGGGAGGTCTATATAAG CAGAGCTCATTTAGGTGACACTATAGAATAACAAGTACTTGTCTTTTTGCAGCGGCCGC GAATTCGGCAGCAGGGCACAGCCAGAGCCTGCCATTAGGACCAATGAAAGCAAAGTACCTC ATCCCCTCAGTGACTAAGAATCGCAGTATTTAAGATGTAGCAGGAATGGGCTGAGAGTGG TGTTTGTCTTCTCCACCAGAAGGGCACACTTTCATCTAATTTGGGTATCACTGAGTGA AGACAAAGAGAAGGGGGAGAAAACCTAGCAGACCACCATGTGCTATGGGAAGTGTGCACG ATGCATCGGACATTCTCTGGTGGGCTCGCCCTCCTGTGCATCGCGGCTAATATTTTGTCT TACTTTCCCAATGGGGAACAAAGTATGCCTCCGAAAACACCTCAGCCGCTTCGTGTG GTTCTTTTCTGGCATCGTAGGAGGTGGCCTGCTGATGCTCCTGCCAGCATTTGTCTTCAT TGGGCTGGAACAGGATGACTGCTGTGGCTGCTGTGCCATGAAAAGTGTGGCAAACGATG TGCGATGCTTTCTGTATTGGCTGCTCTCATTGGAATGCAGGATCTGGCTACTGTGT CATTGTGGCAGCCCTTGGCTTAGCAGAAGGACCACTATGTCTTGATTCCCTCGGCCAGTG GAACTACACCTTTGCCAGCACCCAGGCCAGTACCTTCTGGATACCTNCACATGGTCCGA GTGCACTGAAACCCAGCACATTGTGGAATGGAATGTATCTCTGGTTTCTATCCTCTTGGC TCTGGGTGGAANNNTGAANTCATCTGTGCTTATTCAGTAAAAATGGAGTGTGGNNAGCA TATGTGGGCTTTGCTGCTCTCACACAGCATTGA </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for BC034145 unedited</p> <pre> TAGNGATCGGTTTTTTTTTTTTTTTTTTTTTCGGTAGTGAATACTTTATTTTGTGTAAACAA GTTAGTTTTGAGGGTATTTTCTCGTGGTCTCCTGCCGCTACTCGTCCCATGTTCCAAT GATGCTGATCAACTGCTTATTCAGTTTCCCATCTTCTTCTTGGCCAGTCATCGTAGCC TTTCTTTTTTAAACACATGATCCCTAGTACTCATCTTTGGAGGACAAAAGGCTTTCCAT ATGTTAGAAAAATTTGAATCTCATAGTACTCACAAATGAGCAGCATTGTAAGTTGTGA TGCAATCATTGGATTGGAACATTCTCAATCAGTCTTCCACTCTAAGTAAATATTTGTT TCTCACAGAACAAGGAGTTCAAAGGCCTCTTGTTAGAGATTATAGGTGTATGAAT GGGAAACATCATAACAAGCAGTGAAAACAAAAATCTTCCAGGTTGTCGGATTTTCTCCTT CTTGGTCTTATAAAAAGCAACTAGACATCTTTAATTTAAAAAATACATGCACATATATAC AATAGTGATTGGAATGTTATTTTATCCAAAACATTATAGAGTTTATCTCAGATACTG AGTACTGCACTCAGTCTGTAACTACCCCGAGGGTGGTTTGTTCCTCATTCTTAA AAAAAACAAAAACAAATAAACAACAAAAAGAAGTTTACTAAATTTAAACACTGACAT CCTGTGAAGATGCCAGTCTTACAGGCGTTTGTAAAAGTAGACTGTGGGAGTATGTTAC ACTAATACAAAGTTTACCAATGAATACCAGTGAATATATAAATTACCATGGAATAGAG GGAG </pre>
Restriction Sites:	NotI-NotI
ACCN:	BC034145
Insert Size:	1850 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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: [BC034145.1](#), [AAH34145.1](#)

RefSeq Size: 1675 bp

RefSeq ORF: 699 bp

Locus ID: 4071

Cytogenetics: 3q25.1

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. This encoded protein is a cell surface antigen and is highly expressed in different carcinomas. [provided by RefSeq, Jul 2008]