

Product datasheet for **SC107241**

Tetraspanin 33 (TSPAN33) (NM_178562) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tetraspanin 33 (TSPAN33) (NM_178562) Human Untagged Clone
Tag:	Tag Free
Symbol:	Tetraspanin 33
Synonyms:	PEN; PEN.; TSPAN-33
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_178562, the custom clone sequence may differ by one or more nucleotides

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ATGGCGCGGAGACCCCGGGCGCCGGCCGCTCCGGGGAGGAGTTCTCCTTCGTCAGCCCGCTGGTAAAAT
ACCTGCTCTTCTTCAACATGCTCTTCTGGGTGATTTCCATGGTGATGGTGGCTGTGGGTGTCTACGC
TCGGCTAATGAAGCATGCAGAAGCAGCCCTAGCCTGCCTGGCAGTGGACCCTGCCATCCTGCTGATCGTG
GTGGGTGTCTCATGTTCTGCTCACCTTCTGTGGCTGCATTGGGTCCCTCCGCGAGAACATCTGCCTCC
TGCAGACGTTTCCCTCTGCCTCACCCTGTGTTCTGCTGCAGCTGGCCGCTGGGATCCTGGGCTTCGT
CTTCTCAGACAAGGCTCGAGGAAAGTGAGTGAGATCATCAACAATGCCATTGTGCACTACCGAGATGAC
TTGGATCTGCAGAACCTCATTGATTTTGGCCAGAAAAAGTTTAGCTGCTGTGGAGGATTTCCTACAAGG
ACTGGTCTCAGAACATGTATTTCAACTGCTCAGAAGACAACCCAGTCGAGAGCGCTGCTCTGTGCCTTA
CTCCTGTTGCTTGCCTACTCCTGACCAGGCAGTGATCAACTATGTGTGGCCAAGGTATGCAGGCCCTT
GACTACTTGGAAGCTAGCAAAGTCATCTACACCAATGGCTGTATTGACAAGTTGGTCAACTGGATACACA
GCAACCTATTCTTACTTGGTGGTGTGGCTTAGGCCTGGCCATCCCCAGCTGGTGGGAATTCTGCTGTC
CCAGATCCTAGTGAATCAGATCAAAGATCAGATCAAGCTACAGCTCTACAACCAGCAGCACCGGGCTGAC
CCATGGTACTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_178562 unedited</p> <pre>GGGTANCATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGCTCCCCCG CCGGCCGGGCTCCTGCGCGGGCGGGCTCGGCTCATGCCCCGGGGCGGGGCACACAGGC CGGCCGGCAGCCGCTGGGAAATAGGCCCCCGGGGGCGGTGGCGGGCGGGGCCATGGCG CGGAGACCCCGGGCGCCGGCCGCTCCGGGGAGGAGTTCTCTTCGTACGCCGCTGGT AAATACCTGCTCTTCTTCAACATGCTCTTCTGGGTGATTTCCATGGTGATGGTGGCT GTGGGTGCTACGCTCGGCTAATGAAGCATGCAGAAGCAGCCCTAGCCTGCCTGGCAGTG GACCCTGCCATCCTGCTGATCGTGGTGGGTGCCTCATGTTCTGCTCACCTTCTGTGGC TGATTGGGTCCCTCCGGGAGAACATCTGCCTCCTGCAGACGTTCTCCCTCTGCCTCACC GCTGTGTTCTGCTGCAGCTGGCCGCTGGGATCCTGGGCTTCGTCTTCTCAGACAAGGCT CGAGGGAAAGTGAGTGAGATCATCAACAATGCCATTGTGCACTACCGAGATGACTTGGAT CTGCAGAACCTCATTGATTTTGGCCAGAAAAAGTTAACTGCTGTGGAGGGATTTCTAC AAGGACTGGTCTCAGAACATGTTTTCACTGCTTCAAAAAGACAACCCCAAGTCAAGAGCG CTGCTCTGTGCCTTACTCCTGTGCTTGCCTACCTTCTGACAGGCATTGATCAACACTAT GTGTGGCCAAGGTTGCAAGCCTTTGACTACTGGAAGCTAGCAAGTCTTTCTCCCATGGC TGGATTGACAATTGGGTCAACGGATACCCACAACCTATTTTAACTTGGGGGGTGGCTT AGGCCCTGCCCTCC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_178562 unedited</p> <pre>GTAAGTAAAGACGCGCCGATCTATGATCGATTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCCAGGAAAACACCCTTTTATTGCCA TTTTTGGCTCCCCTCGTCCAAAAAAATTCCTACCTTTTACCCGGGAGAAATACTGACCC CCCATCCAGGAAATGGGGGGGGGGTTACCATTTTTCTTTGGACACTGCCAAGTTAA AAAAAACCTGCTTGCTGGAAAGGAGGCCAAACAGGGAGGAATCAAGGGCATGTTTG GGTCAACCCCACTTTTACTGCAAAAGTATAGGGACCAGGGTTCCAAACTTTTTTCAAAT TAAGGGAGGGGGGAAAAATTTGGCTGGTGTGTACCCCGGGTCTAACTGCCATGTTTC CATGGAATAAAGGCGGGCAGGATGTACCTCACTCTGACTACCTGGGAGGATGGCAGGA CAGGCTTTTGGAAAACATATCTCCCTCCACTCCTACCTAGCAAATACGGGTGGCCCCAGC CAACCCCAAGGCTTTTTCTAAATGGCGGGTCCACTCCCTTCCCTTTTGGAGCTGGGTTT ATGCCAAGGGGATTCCAGGCAGGGCTGCCAGTGTACTCTCCACAGCCAGGTCTCACTGG CCCGTTAGGATCTAATTATGTCCGCCAAGCTCAGGAGCATCCCTGCTAAACCTGGTGGTG GCAGTGCCTCGGTGAAAAGGCAGCANCATTTCCCAACTCTCTGTGCAACTGGTGTTC CCAACAAAAGTAAAAGTAAACCCAAAAGTAAAGGGTTTCACTCTGGCCAATCTGAAGCT TGGGAAGGGGAAAAAAGCCATTCTCCGAACTGGGGCCACCTGTGCACCCTGGCTT TTGCG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_178562
Insert Size:	2000 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:	<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_178562.2 , NP_848657.1
RefSeq Size:	2073 bp
RefSeq ORF:	852 bp
Locus ID:	340348
UniProt ID:	Q86UF1
Cytogenetics:	7q32.1
Protein Families:	Transmembrane
Gene Summary:	Plays an important role in normal erythropoiesis (By similarity). It has a role in the differentiation of erythroid progenitors (By similarity). Regulates maturation and trafficking of the transmembrane metalloprotease ADAM10 (PubMed:26686862). Negatively regulates ligand-induced Notch activity probably by regulating ADAM10 activity (PubMed:26686862). [UniProtKB/Swiss-Prot Function]