

Product datasheet for **SC123309**

C12orf53 (PIANP) (NM_153685) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C12orf53 (PIANP) (NM_153685) Human Untagged Clone
Tag:	Tag Free
Symbol:	C12orf53
Synonyms:	C12orf53; leda-1; LEDA1; PANP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_153685 edited
CGCAGTCGTGCGCCGCCGCGCCAAGCATGCAGTAAAGGCTGAAAATCTGGGTCACAGCT
GAGGAAGACCTCAGACATGGAGTCCAGGATGTGGCCTGCGCTGCTGTGTCCACCTCCT
CCCTCTCTGGCCACTGCTGTTGCTGCCCCCTCCACCGCTGCTCAGGGCTCTTCATCCTC
CCCTCGAACCCACCAGCCCCAGCCGCCCGCCCGTGTGCCAGGGGAGGCCCTCGGCCCC
ACGTATGTGTGCGTGTGGGAGCGAGCACCTCCACCAAGCCGATCTCCTCGGGTCCCAAG
ATCACGTGCGCAAGTCTGCCTGGCACTGCACCCAGCCACCCCATCAGGCTTTGAGGA
GGGGCCGCCCTCATCCCAATACCCCTGGGCTATCGTGTGGGGTCCACCGTGTCTCGAGA
GGATGGAGGGGACCCCAACTCTGCCAATCCCGATTTCTGGACTATGGTTTTGCAGCCCC
TCATGGGCTCGCAACCCACACCCCAACTCAGACTCCATGCGAGGTGATGGAGATGGGCT
TATCCTTGAGAGGCACCTGCCACCTGCGGCCATTCTGTTCGGGGGCCGTGGGGAAGG
TGTGGACCCCAAGCTCTATGTCACAATTACCATCTCCATCATATTGTTCTCGTGCCAC
TGGCATCATCTTCAAGTTCTGCTGGGACCGCAGCCAGAAGCGACGCAGACCTCAGGGCA
GCAAGGTGCCCTGAGGCAGGAGGAGAGCCAGCAGCCACTGACAGACCTGTCCCGGCTGG
AGTCACTGTGCTGGGGGCTTCCGGGACTCACCTACCCCAACCCCTGACCATGAGGAGCC
CCGAGGGGGACCCCGGCTGGGATGCCCAACCCCAAGGGGGCTCCAGCCTTCCAGTTGAA
CCGGATTTCCCTGGTGAATCTGTGATGCCCAATGTTGGGGTGACGCAAGCAGGAGGC
CAAGGGGCCGGCACAGCCCCATCCCACTGAGGGTGGGGCAGCTGTGGGGAGCTGGGGCC
ACAGGGGCTCCTGGCTCCTGCCCTTGACACCAACCCGGAACACTCCCCAGCCCCACGGG
CAATCCTATCTGCTCGCCCTCCTGCAGGTGGGGGCTCACATATCTGTGACTTCGGGTCC
CTGTCCCCACCTTGTGCACTCATATGAAAGCCTTGACACTCACCTCCACCTTCACAGG
CCATTTGCACAGCTCCTGCACCTCTCCCCGTCCATACCGCTCCGCTCAGCTGACTCTC
ATGTTCTCTGCTCAGATTTGCACTCTCTCTTCCCACATTCTGTGCTCAGCTCACTCA
GTGGTCAGCGTTTCTGTCACACTTTACCTCTCATGTGCGTTTCCCGGCTGATGTTGTGG
TGGTGTGCGGCGTGTCACTCTCTCCCTCATGAACACCCACCCACCTCGTTTCCGAGCC
CCTGCGTGTGCTCCAGAGGTGGGTGGGAGGTGAGCTGGGGGCTCCTTGGGCCCTCATCG
GTCATGGTCTCGTCCATTCCACACCATTTGTTTCTGTGCTCCCATCTACTCCAAGG
ATGCCGGCATCACCTGAGGGCTCCCCCTTGGGAATGGGGTAGTGAGGCCCCAGACTTCA
CCCCAGCCCACTGCTAAATCTGTTTTCTGACAGATGGGTTTTGGGGAGTCGCTGCTG
CACTACATGAGAAAGGACTCCCATTTGCCCTTCCCTTTCTCCTACAGTCCCTTTTGTCT
TGTCTGTCTGCTGTGTGTGTGTGCCATTCTCTGGACTTCAGAGCCCTGAGCCAG
TCTCCCTTCCCAGCCTCCCTTTGGGCTCCCTAACTCCACCTAGGCTGCCAGGGACCGG
AGTCAGCTGGTTCAAGGCCATCGGGAGCTCTGCCTCCAAGTCTACCCCTCCCTTCCCGGA
CTCCCTCCTGTCCCTCCTTTCCCTCCTTCCCTTCCCTTCCCTTCTTTTGTTCCTCC
TGCCCTTTCCCTCCTCAGGTTCTTCCCTCCTTCTCACTGGTTTTTCCACCTTCCCTCT
TCCCTTCTTCCCTGGCTCCTAGGCTGTGATATATATTTTGTATTATCTTTCTTCTTC
TTGTGGTGATCATCTTGAATTACTGTGGGATGTAAGTTTCAAAATTTTCAATAAAGCCT
TTGCAAGATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_153685 unedited <pre> NGGGAGTCATATTTGTATACGACTCACTATAGGCGGCCGCGATTCCCGGGATCGCAGTCG TCGCGCCCGCCGCGCAAGCATGCAGTAAAGGCTGAAAATCTGGGTCACAGCTGAGGAAGA CCTCAGACATGGAGTCCAGGATGTGGCTGCGCTGCTGTCTCCACCTCCTCCCTCTCT GGCCACTGCTGTTGCTGCCCCCTCCACCGCCTGCTCAGGGCTCTTCATCCTCCCTCGAA CCCCACCAGCCCCAGCCCGCCCCCGTGTGCCAGGGGAGGCCCTCGGCCCCACGTCATG TGTGCGTGTGGGAGCGAGCACCTCCACCAAGCCGATCTCCTCGGGTCCCAAGATCACGTC GGCAAGTCCTGCCTGGCACTGCACCCCAAGCCACCCATCAGGCTTTGAGGAGGGGCCGC CCTCATCCCAATACCCCTGGGCTATCGTGTGGGTCCACCGTGTCTCGAGAGGATGGAG GGGACCCCAACTCTGCCAATCCCGGATTCTGGACTATGGTTTTGCAGCCCTCATGGGC TCGCAACCCCAACCCCAACTCAGACTCCATGCGAGGTGATGGAGATGGGCTTATCCTTG GAGAGGCACCTGCCACCCTGCGGCCATTCTGTTGCGGGGCCGTGGGAAGGTGTGGACC CCCAGCTCTATGTCACAATTACCATCTCCATCATCATTGTTCTCGTGGCCACTGGCATCA TCTTCAAGTTCTGCTGGGACCGCAGCCAGAAGCGACGCATACCCTCATGGCAGCAAGGTG CCCTGATGCATGATGAGAGCCAGCAGCCACTGACAGACCTGTCCCGGCTGGAGTCACTG TGCTGGGGGCTNTCGGGACTCACCTACCCCAACCTGACCATGATGAGCCCCGAGGGGG ACC </pre>
Restriction Sites:	Please inquire
ACCN:	NM_153685
Insert Size:	2240 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:	NM_153685.2 , NP_710152.1
RefSeq Size:	2240 bp
RefSeq ORF:	849 bp
Locus ID:	196500
UniProt ID:	Q8IYJ0
Cytogenetics:	12p13.31
Protein Families:	Transmembrane

Gene Summary:

This gene encodes a ligand for the paired immunoglobulin-like type 2 receptor alpha, and so may be involved in immune regulation. Alternate splicing results in multiple transcript variants encoding different proteins. [provided by RefSeq, Sep 2011]

Transcript Variant: This variant (1) represents the shortest transcript and encodes the longer isoform (a).