

Product datasheet for **RG207868**

C12orf53 (PIANP) (NM_153685) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C12orf53 (PIANP) (NM_153685) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C12orf53
Synonyms:	C12orf53; leda-1; LEDA1; PANP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207868 representing NM_153685 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGTCCAGGATGTGGCCTGCGCTGCTGTGTCCACCTCCTCCCTCTTGCCCACTGCTGTTGCTGC
 CCCTCCACCGCCTGCTCAGGGCTCTTCATCCTCCCTCGAACCCACCAGCCCCAGCCCCGCCCCCGTG
 TGCCAGGGGAGGCCCTCGGCCACGTCATGTGTGCGTGTGGGAGCGAGCACCTCCACCAAGCCGATCT
 CCTCGGGTCCCAAGATCACGTGCGCAAGTCCTGCCTGGCACTGCACCCCAAGCCACCCATCAGGCTTTG
 AGGAGGGGCGCCCTCATCCCAATACCCCTGGGCTATCGTGTGGGTCCACCGTGTCTCGAGAGGATGG
 AGGGGACCCCAACTCTGCCAATCCCGGATTTCTGGACTATGGTTTTGCAGCCCTCATGGGCTCGCAACC
 CCACACCCCAACTCAGACTCCATGCGAGGTGATGGAGATGGGCTTATCCTTGGAGAGGCACCTGCCACCC
 TGCGGCCATTCTGTTCGGGGGCGGTGGGGAAGGTGTGGACCCCAAGCTCTATGTCACAATTACCATCTC
 CATCATATTGTTCTCGTGGCACTGGCATCATCTTAAGTTCTGCTGGGACCGCAGCCAGAAGCGACGC
 AGACCCTCAGGGCAGCAAGGTGCCCTGAGGCAGGAGAGCCAGCAGCCACTGACAGACCTGTCCCCGG
 CTGGAGTCACTGTGTGGGGCCTTCGGGACTCACCTACCCCAACCCCTGACCATGAGGAGCCCCGAGG
 GGGACCCCGCCTGGGATGCCCCACCCCAAGGGGGCTCCAGCCTTCCAGTTGAACCGGATTCCCTGGTG
 AATCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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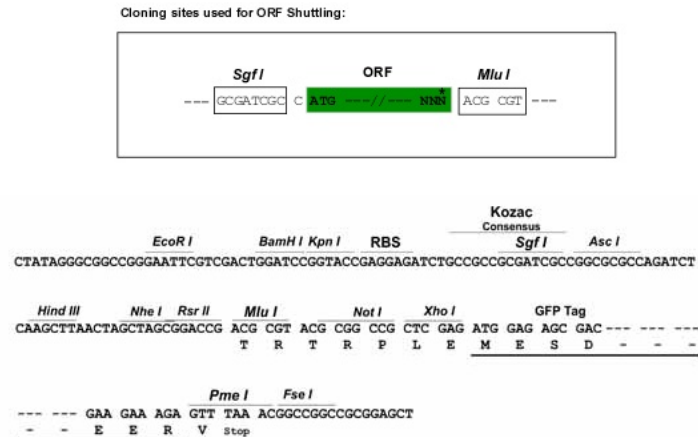
Protein Sequence: >RG207868 representing NM_153685
 Red=Cloning site Green=Tags(s)

MESRMWPALLLSHLLPLWPLLLLPLPPPAQGSSSSPRTPPAPARPPCARGGPSAPRHVCVWERAPPPSRS
 PRVPRSRQVLPGTAPPATPSGFEEGPPSSQYPWAIWGPVTSREDGGDPNSANPGFLDYGFAAPHGLAT
 PHPNSDSMRGDGDLILGEAPATLRPFLFGRGEGVDPQLYVTITISIIIVLVATGIIFKFCWDRSQKRR
 RPSGQQGALRQESQQPLTDLSPAGVTVLGAFGDSPTPTPDHEEPRGGPRPGMPHPKGAPAFQLNRIPLV
 NL

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153685

ORF Size: 846 bp

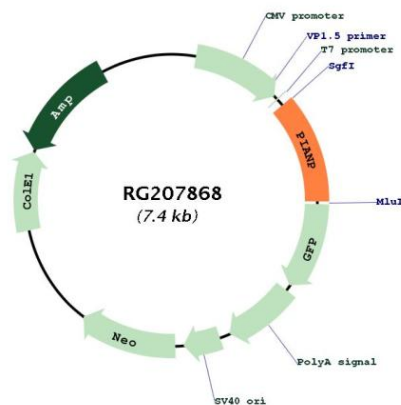
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially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

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_153685.4</u>
RefSeq Size:	2240 bp
RefSeq ORF:	849 bp
Locus ID:	196500
UniProt ID:	<u>Q8IYJ0</u>
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]

Product images:



Circular map for RG207868