

Product datasheet for **RG230831**

PLEKHO2 (NM_001195059) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLEKHO2 (NM_001195059) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PLEKHO2
Synonyms:	PLEKHQ1; PP1628; pp9099
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG230831 representing NM_001195059 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGAGGAGGATGATCAGAAGTGTGTGGAGACTGTGGAGCTGGCAGCTATGAGAAGTGCCAGGACC
TTCGTGCCCTCCTCAAGCGAAAACACCGCTTTATCCTGCTGCGATCCCCAGGGAACAAGGTCAGCGACAT
CAAATTCAGGCACCCACCGGGAGGAGAAGGAATCCTGGATCAAAGCCCTCAATGAAGGGATTAACCGA
GGCAAAAACAAGGCTTTTCGATGAGGTAAGGTGGACAAGAGCTGCGCCCTGGAGCATGTGACACGGGACC
GGGTGCGAGGGGCCAGCGACCGGCCACCAACGAGAGTCCACCTGAAGGAGGTGGCCAGTGCAGCTTC
TGACGGTCTTCTGCGCCTGGATCTTGATGTTCCGGACAGTGGGCCACAGTGTTCGCCCCAGCAATCAT
GTCAGTGAAGCCAACTCGGGAGACACCCGGCCCTCATGCCTCTACCAAGCCTTTCCTAGCACCTG
AGACCACCAGCCCTGGTACAGGGTGGAGACCCCTGTGGGGGAGAGAGCCCAACCCCTGTCTCAGCAAG
CTCTGAGGTCTCCCTGAGAGCCAAGAGGACTCAGAGACCCAGCAGAGGAGGACAGTGGCTCTGAGCAG
CCTCCCAACAGCGTCTGCCTGACAACTGAAGGTGAGCTGGGAGAACCCAGCCCCAGGAGGCCCTG
CTGCAGAGAGTGCAGAACCGTCCCAGGCACCCTGTTCTGAGACTTCTGAGGCTGCCCCAGGAGGGTGG
GAAGCCCCCTACACCCCAACCAAGATCTTATCAGAGAACTGAAAGCCTCCATGGGTGAGATGCAGGCT
TCTGGGCCACCTGCTCCAGGCACAGTGCAGGCTCAGTGAATGGCATGGATGACAGTCTGAGCCTGCCA
AGCCCTCTCAGGCTGAGGGCACCCAGGAACCTCCTCAAAGGATGCAACAACATCCACAGCACTGCCCC
CTGGGACCTGCCACCTCAGTTCATCCCGCTGCTCCTCCCTGGGGACTTGCTTGGGAAAGGCCCGCGG
CATCCCTTGACGCCAGGGAACGGCTATATCGGGCCAGCTGGAGGTGAAGGTGGCTCGGAACAGACGG
AGAAACTGTTGAACAAGGTGCTGGGCAGTGAAGCCGCCCTGTTAGTGCCGAAACATTGCTCAGCCAGGC
TGTGGAGCAGCTGAGGCAGGCCACCCAGGCTCTGCAGGAAATGAGAGATTTGGGAGAGCTGAGCCAGGAA
GCACCTGGGCTAAGGGAGAAGCGGAAGGAGCTGGTGACCTCTACAGGAGAAGTGACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG230831 representing NM_001195059
 Red=Cloning site Green=Tags(s)

MEEEDDQKCVETVELGSYEKQDLRALLKRKHRFILLRSPGNKVS DIKFQAPTGEEKESWIKALNEGINR
 GKNKAFDEVKVDKSCALEHVTRDRVRGGQRRRPTRVHLKEVASAASDGLLRDLDPDVGPPVFAFSPNH
 VSEAQPRTPRPLMPPTKPF LAPETTSPGDRVETPVGERAPTPV SASSEVSPESQEDSETPAEEDSGSEQ
 PPNSVLPDKLKVSWENPSPQEAPAAESAEP SQAPCSE TSEAAPREGGKPPTPPKILSEKLKASMGEMQA
 SGPPAPGTVQVSVNGMDDSP EAPKPSQAEGTPGT PPKDATTSTALPPWDLPPQFHPRCSSLGDLLGEGPR
 HPLQPRERLYRAQLEVKVASEQTEKLLNKVLGSE PAVSAETLLSQAVEQLRQATQVLQEMRDLGELSQE
 APGLREKRKELVTLYRRSAP

TRTRPLE - GFP Tag - V

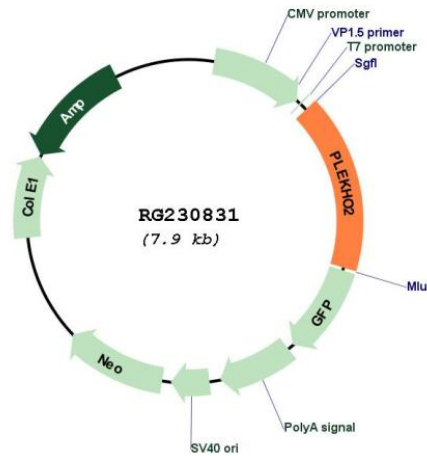
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001195059

ORF Size:	1320 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:	<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_001195059.1 , NP_001181988.1
RefSeq Size:	3596 bp
RefSeq ORF:	1323 bp
Locus ID:	80301
UniProt ID:	Q8TD55
Cytogenetics:	15q22.31
Protein Families:	Druggable Genome
Protein Pathways:	Cytokine-cytokine receptor interaction