

Product datasheet for **MG214430**

Phactr1 (NM_001005748) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Phactr1 (NM_001005748) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Phactr1
Synonyms: 9630030F18Rik; Rpel1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG214430 representing NM_001005748
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTATCTGCTAGGGCCGTGGAGCTCACCGCCCCAGGAGGATATGACATGGTCCAAAACTTTTCTTGG
ATTTTTCCGTAGGCGCTGAGCCAGAGACCAACTGCAGAGGAAGTGAACAGAGAACATTTTGAAGCC
TCGGAATGAACAAGAAGAACAGGAGGAGAAGCGGAAATCAAGAGGAGGCTGACTCGCAAGCTCAGCCAA
AGGCCACAGTGAAGAAGTCCGGGAGAGGAAGATCCTTATCCGTTTCACTGACTACGTGGAAGTGGCAG
ATGCCAAGACTATGACCGAAGGCGAGACAAGCCATGGACCCGCTCACCGCTGCAGACAAGCTGCCAT
TCGGAAGGAAGTCAATGAGTTTAAAGTACCGAGATGGAAGTCCAGGATTAAGTAGACTTAACCAGG
TTTCATCGACCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG214430 representing NM_001005748
Red=Cloning site Green=Tags(s)

MYLLGPWSSPAPGGYDMVQKFLDFRRRLSQRPTAEELQARNILKPRNEQEEQEEKREIKRRLTRKLSQ
RPTVEELRERKILIRFSDYVEVADAQDYDRRADKPWTRLTAADKAAIRKELNEFKSTEMEVHELRSRLTR
FHRP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



[View online »](#)

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:	<u>NM_001005748.2, NP_001005748.1</u>
RefSeq Size:	3849 bp
RefSeq ORF:	435 bp
Locus ID:	218194
Cytogenetics:	13 A4
Gene Summary:	Binds actin monomers (G actin) and plays a role in multiple processes including the regulation of actin cytoskeleton dynamics, actin stress fibers formation, cell motility and survival, formation of tubules by endothelial cells, and regulation of PPP1CA activity. Involved in the regulation of cortical neuron migration and dendrite arborization (PubMed:30256902). [UniProtKB/Swiss-Prot Function]