

Product datasheet for **RG214883**

PLEKHG7 (NM_001037671) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PLEKHG7 (NM_001037671) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PLEKHG7
Synonyms: C12orf74
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG214883 representing NM_001037671
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGAAAACAGAGTCATTCTGTCCAGAGGTGCCACCCCAAGACTGTGGAGCCTCTCCTCGGCCCTCGC
 TGAGGAGCCTGCCAAAGAACCAGGGGAGTCTCCTCAGTTTGACCGCAAGCCCCAGGCCGATCTCCAC
 CTCGCCCACTTTGAGGAGATTAAGGACCCGTGGCTGTGGGACAAGGCAGGATGCCTGGCAGGTGACCACC
 TGGGGAAGCTGGGAGCTCCTGTGGCTTCCCATGTTACCTTTTGAAGAGCCTGCCAGGAAGCCCAAGG
 ATTCTTACACTTGCTGTCACCCTTGAGACTCCACTCAAGATTGACCTCTGAACCTGAAAGGGCCCTGAA
 TGCAGCTGACTACTGGAGCCCCAAACCCGGCCCACTGACAAGTATCTCCCTCCTGAGCTTCAGCCTGTC
 AATGAAGGGTCCCTTACCAGGCCTCTCTCGGCAGCAAGAAGGCCACTTCTGCCAGCCCCACCTAC
 GACACCCTAGTCCTCAGGGAAGAATTGCACCCATCCAGGTGTGTATGCATTTATTTTCTCCGGTGCTA
 TGACATCTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214883 representing NM_001037671
 Red=Cloning site Green=Tags(s)

MEKTESFCPEVPPQDCGASPRPSLRSLPKNQGSLLQFDRQAPGRISTSPTLRRLRTRGCGTRQDAWQVTT
 WGSWGAPVGFPCYLKSLPGSPKDSHLLSPLRLHSRLTSEPERALNAADSLPEQTRPTDKYLPPELQPV
 NEGSLHQASLRQQEGHFLPSPTLRHPSQGEELHPSRCVCIYFLRCYDIC

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_001037671

ORF Size: 570 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.

RefSeq: [NM_001037671.3](#), [NP_001032760.1](#)

RefSeq Size: 1377 bp

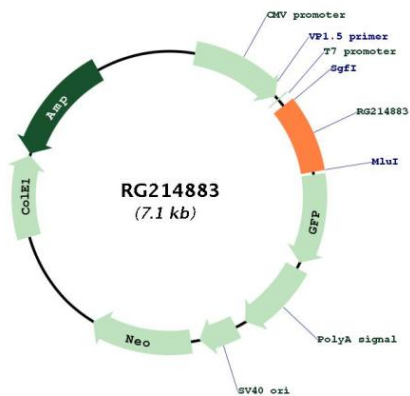
RefSeq ORF: 573 bp

Locus ID: 338809

UniProt ID: [Q32Q52](#)

Cytogenetics: 12q22

Product images:



Circular map for RG214883