

Product datasheet for **RG210704**

AMIGO3 (NM_198722) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AMIGO3 (NM_198722) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AMIGO3
Synonyms:	ALI3; AMIGO-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG210704 representing NM_198722
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCTGGTTGGTGCTGCTGGGGACACTGCTCTGCATGCTGCGCGTTGGGTTAGGCACCCCGGACTCCG
 AGGGTTTCCCGCCCGTGCCTCCACAACGCCCCACAAATGTATCTGCGCTGCCGACCTGCTAAGCTG
 CACTGGCCTAGGGCTGCAGGACGTGCCAGCCGAGTTACCTGCCGCTACTGCGGACCTCGACCTGAGCCAC
 AACGCGCTCCAGCGCCTGCGCCCCGGCTGGTTGGCGCCCTCTTCCAGCTGCGCGCCTGCACCTAGACC
 ACAACGAAGTAGATGCGCTGGGTCGCGCGTCTTCGTCAACGCCAGCGGCTGAGGCTGCTCGATCTATC
 ATCTAACACGTTGCGGGCGCTTGGCCGCCACGACCTCGACGGCTGGGGCGCTGGAGAAGCTGCTTCTG
 TTCAATAACCGCTTGGTCACTTGGACGAGCATGCCTCCACGGCTGCGCGCTGAGCCATCTCTACC
 TGGGCTGCAACGAAGTGCCTCGTTCTCCTTCGACCACCTGCACGGTCTGAGCGCCACCCACCTGCTTAC
 TCTGGACCTCTCTCAACCGGCTGGGACACATCTCCGTACCTGAGCTGGCGCGCTGCCGCGCTTCTCTC
 AAGAACGCGCTCTACTTGCAACAACCTTTGCCTTGCCTGCGACTGCGCCTCTACCACTGCTACAGCGCT
 GGCACGAGCGGGCTGAGCGCGCTGCGCGACTTTGCGCGCGAGTACGTATGCTTGGCCTTCAAGGTACC
 CGCGTCCCGCTGCGCTTCTTCCAGCACAGCGCGCTTTGAGAACTGCTCGTCCGCCCCAGCTCTTGGC
 CTAGAGCGGCCGAAGAGCACCTGTACGCGCTGGTGGGTCGGTCCCTGAGGCTTTACTGCAACACCAGCG
 TCCCGGCCATGCGCATTGCTGGGTTTCGCCGACGAGGAGCTTCTCAGGGCGCCAGGATCCCGCGATGG
 CAGCATCGCGTGTGGCCGACGCGAGCTTGGCCATAGGCAACGTACAGGAGCAGCATGCGGGACTCTTC
 GTGTGCTGGCCACTGGCCCCGCTGCACCACAACGAGCAGCAGTACAACGTGAGCGTGCACCTTTC
 CGCGCCGAGCCGAGGCTTCAACACAGGCTTCAACCACTGCTGGGCTGTCCGCTGGGCTTGTGCT
 CGTGCTGCTCTACCTGTTGCGCCCACTGCGCGTGTGCGCGCTGCTGCGCGCTGCGCGCTGCGCGCTGCGCC
 CAAACACCCAGCCGCTCCAAGAGCTGAGCGCACAGTCTCAGTACTCAGCACCAACCCGAGCGCAC
 CCAGCCGCAAGGCCAGCGTCCACAAGCAGTAGTCTTTCTGGAGCCAGCCGAGGGGCTCAATGGCCG
 CGTGCAGCTGGCAGTAGCTGAGGAATTCGATCTCTACAACCTGGAGGCTGCAGCTGAAGGCTGGCTCT
 GAGTCCGCCAGCTCCATAGGCTCCGAGGTCCTATGACAACC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

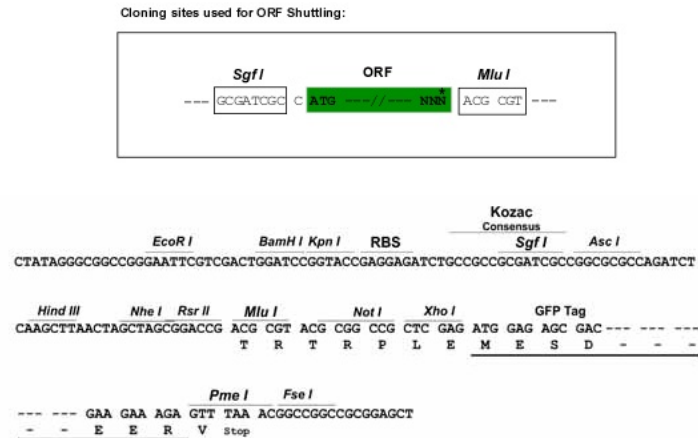
>RG210704 representing NM_198722
 Red=Cloning site Green=Tags(s)

MTWLVLGLTLLCMLRVGLGTPDSEGFPPRALHNCYPYKICAADLLSCTGLGLQDVPAELPAATADLDL
 SHNALQRLRPGWLAPLFQLRALHLDHNELDALGRGVFNASGLRLLDLSSNTLRALGRHLDGLGALEKLL
 FNNRLVHLDEHAFHGLRALSHLYLGCNELASFSDHLHGLSATHLLTDLSSNRLGHSVPELAALPAFL
 KNGLYLHNNPLPCDRLYHLLQRWHQRLSAVRDFAREYVCLAFKVPASRVRFQHSRVFENCSSAPALG
 LERPEEHLIALVGRSLRLYCNTSVPAMRIAWVSPQQLRAPGSRDGSIAVLADGSLAIGNVQEQHAGLF
 VCLATGPRLHHNQTHEYNVSVHFPRPEPEAFNTGFTLLGCAVGLVLVLLYLFAPPCRCRRACRCRRWP
 QTPSPLQELSAQSSVLSTTPPDAPSRKASVHKHVVFLEPGRRGLNGRVQLAVAEEDLYNPGGLQLKAGS
 ESASSIGSEGPMTT

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_198722

ORF Size: 1512 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: [NM_198722.3](#)

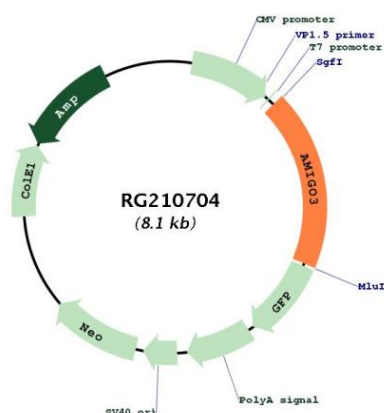
RefSeq Size: 2159 bp

RefSeq ORF: 1515 bp

Locus ID: 386724

UniProt ID:	<u>Q86WK7</u>
Cytogenetics:	3p21.31
Protein Families:	Transmembrane
Gene Summary:	May mediate heterophilic cell-cell interaction. May contribute to signal transduction through its intracellular domain (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG210704