

Product datasheet for **RG208413**

C11ORF46 (ARL14EP) (NM_152316) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C11ORF46 (ARL14EP) (NM_152316) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C11ORF46
Synonyms:	ARF7EP; C11orf46; dj299F11.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208413 representing NM_152316 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGGATCCATGTTTCAGTTGGAGTCCAGCTTCGTAACAATGAGTGCCATAAACCTACTATACTC
GTCACACAGGTTTTAAGACTTTGCAAGAATTGTCATCAAATGATATGCTTTTACTTCACTTAGAACTGG
AATGACACTTTCTGGGAACAATAAATTTGCTTTCATCATGTAAAAATTTACATTGACAGATTTGAGGAT
TTACAGAAGTCATGTTGTGACCCATTTAACATACACAAGAAATTAGCCAAAAAAATTTGCATGTAATTG
ACTTAGATGATGCCACTTTTCTGAGTGTAAATTTGGAAGACAGCTTGTACCTGGTTGGAAGCTTTGTCC
AAAATGCACACAGATAATCAATGGAAGTGTGGATGTTGATACTGAAGACCGCCAGAAAAGGAAACCTGAG
TCAGATGGAAGAAGCTGCTAAAGCTTTGAGGTCATTACAATTTACGAATCCAGGAAGGCAAACCTGAATTTG
CTCCAGAAACTGGTAAAAGAGAAAAAGAAGGCTTACAAAAATGCAACCGCTGGTTCAGACAGACAAGT
GATACCAGCAAAGAGTAAGGTCTATGATAGCCAGGGTCTCCTGATTTTTAGTGGGATGGACCTCTGTGAC
TGCCTGGATGAAGACTGCTTAGGATGTTTCTATGCTTGTCTGCTGCTGTGGTTCTACCAAGTGTGGAGCTG
AATGCCGCTGTGACCGCAAGTGGCTGTATGAGCAAATGAAATGAAGGAGGAGAAATAATTCATAATAA
ACATGCTGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208413 representing NM_152316
 Red=Cloning site Green=Tags(s)

MMDPCSVGVQLRTTNECHKTYTRHTGFKTLQELSSNDMLLLQLRTGMTLSGNNTICFHHVKIYIDRFED
 LQKSCCDPFNIHKKLAKKNLHVIDLDDATFLSAKFGRQLVPGWKLCPKCTQIINGSVDVDTEDRQKRKPE
 SDGRTAKALRSLQFTNPGRQTEFAPETGKREKRRRLTKNATAGSDRQVIPAKSKVYDSQGLLIFSGMDLCD
 CLDEDCLGCFYACPACGSTKCGAECRCRDKWLYEQIEIEGGEI IHNKHAG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152316

ORF Size: 780 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_152316.3](#)

RefSeq Size: 1770 bp

RefSeq ORF: 783 bp

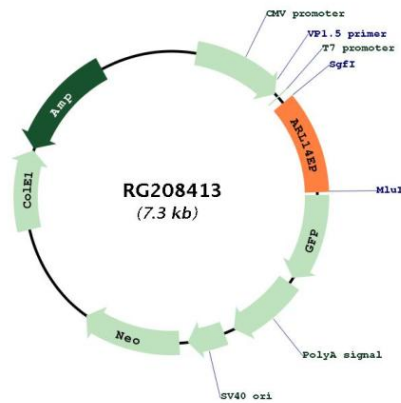
Locus ID: 120534

UniProt ID: [Q8N8R7](#)

Cytogenetics: 11p14.1

Gene Summary: The protein encoded by this gene is an effector protein. It interacts with ADP-ribosylation factor-like 14 [ARL14, also known as ADP-ribosylation factor 7 (ARF7)], beta-actin (ACTB) and actin-based motor protein myosin 1E (MYO1E). ARL14 is a small GTPase; it controls the export of major histocompatibility class II molecules by connecting to the actin network via this effector protein. [provided by RefSeq, Sep 2014]

Product images:



Circular map for RG208413