

Product datasheet for **RG226882**

CXorf49 (NM_001145140) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CXorf49
Synonyms:	CXorf49B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG226882 representing NM_001145140
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGCTCCCCGACAAGGTGTCCGTTTGTGGGCGGTTTCGACCTGGAGGGTGGCAAAAAGGCTGGCT
 CCCGCACGGCCAGCCCCGGAGCCCCAGGGCCCCACAGCCACGGCCTCGATTTGGGGGTGCCGGGCAGCGG
 CGATGGCAAGAGCGAGAGCGGGTTCACAGATCCAGAGGGCTTCAGCTTCGAGTCTGAGAGCGAATTGATA
 GAGCAAGGAAGGGTGGTGTCTGGGGCCGGGAAGGCCGGCCAGGCACCCCGGTGGATGACCAAGGGGACG
 TTGTGGACTACTATTCTACCTGGCTGACGAACCAGCCGCATCGTGCCGCCGCCAGCGTCCAGGGACA
 CCGGTTCCAGAAAGGTGCCGTGCCGAAGGGTCCGCTGAGAATTGGCAGATGCGGAGGTCCGTCCCACT
 GGGAGAGACGTGTGGGCCACAGCCCTGAAAAATGGCAGCAGGCCTCTGCCGGCCGTCTCCACCTCTGCC
 GTCCTGGGCCAGTCCGGCCCTGGAAGAACCAGAAAGGGGCTCGAAGAGCAGATGGAGCCTCCGCGTGGA
 TCCCCAGCAGCCCTCTGCGAAAGGCCCCACCAGGCTGCCTACCCAGACTCTGATTCGCGAGATGAGAGC
 AGCGACTTACCACTGATGAAGGTAGGCATTTGCCGCAACGAAGGAAGCCAGGCCAAGCCCGGAGCCCA
 AGAAGCGAGCAGACACATCCAGACAGGCAAGCTTCCACTGCAAGGAGAGTTACCTGCCTGTGCCGGGCCG
 TTTCTGACCTCTGCTCCCGCGGACTCACTCCAGTCGAGAGAGGCCGGCTGTGGGAGAGCTGGAGGAC
 TCTCCCCAGAAGAAAATGCAGAGCAGGGCCTGGGAAAGGTGGAGGTGAGGCCAGCTGCTCAGGAGCTG
 CTGCTCAGGGGCCCTGCCAGGGCCTTTCGAGGAGGAAGATGGCCGGGGGAAGAAGTCCCTAGGGGG
 TGCTCTCAACTGGCCCTGGGAGAGGCTTTCCTGCCTGCGGAGAGAGACTCTCAGCCGCTCCCGGGAG
 CCGGCCACCTTCCCGCATTCTCTGGTGTGCGGCCACAGGGGATGTCCAAGAAACCCAAAAGCCTAAGC
 ACAGCAGCCCTGGGAAGAAACAGCAGGGAGGAAGACCAGGGAGTCCAGGCTGCGGCCAGAGAAGATAA
 TGACCCAAATAGAGATGAGGTCCCAAGAGCCAACTTCCACCCACAGGCCAGGACTGCCTCGCCTGTCT
 GTGCGTCTGGAGAATTCAGCAGTAGCGACCCCAACATCAGAGCTCCCAACTCCGGGAATTCAGAGC
 CCTCGGCCTACAGCCCGGAGGCTCTGTGCCAGCAGCCATGCACCCTCCGGTAACACAGCAGCCGCTGT
 CCATCCCCAAGACCGGAAGGCAGCAGCAGCCCGGGAGCCAGGCTGTCTCGGTGCATCTGGCTG
 CAGAGGGAAATTGAGACCTTACACAGCAGCTAGCGGCCATGCAGTTCCTCACTGACAAGTTCAGGACC
 TT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG226882 representing NM_001145140
 Red=Cloning site Green=Tags(s)

MSSPDKVSVCGAGFDLEGGKKAGSRTASPGAPGAHSHGLDLGVPGSGDGKSESGFTDPEGFSFESESELI
 EQGRVVLWGREGRPVDDQGDVVDYSFYLADEPAIIVPPPSVQGHFPPEGAAAEGSAENWADAIEVGPS
 GRDVLGHSPGWQASAGRLHLCGPGVRAWKNPERGSKSRWSLRVDPQQPSAKGPTRLPTHDSADAES
 SDLPLMKVIGICRNEGSQAKPGSPKKRADTSRQASFHCKESYLPVPGRFLTSAPRGLTPVAERPAVGELED
 SPQKKMQSRAWGKVEVRPSCSAAAAAGALPQGLSRRKMAGGKSLGGASQLALGRGFPACGERLSAAPPE
 PATFPPFSGVRPQGMSSKPKPKHSSPGKKPAGRKTRESQAAAREDNPNRDEVPRAQLPTHRPLPRLS
 VRRGEFSSSDPNIRAPQLPGTSEPSAYSPGGLVPRRHAPSGNQPPVHPPRPERQQPPGAQGCPRCIWL
 QREIEDLTQQLAAMQFLTDKFQDL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_001145140

ORF Size: 1542 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.

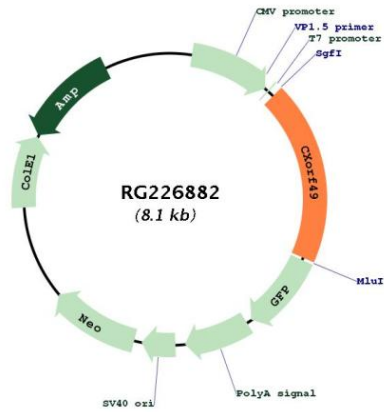
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001145140.1](#), [NP_001138612.1](#)

RefSeq Size: 1851 bp

RefSeq ORF: 1545 bp
 Locus ID: 100130361
 UniProt ID: [A8MYA2](#)
 Cytogenetics: Xq13.1

Product images:



Circular map for RG226882