

Product datasheet for **RG206875**

C8orf72 (FAM110B) (NM_147189) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	C8orf72
Synonyms:	C8orf72
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG206875 representing NM_147189
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCACGGAGACCTACAGACAGGTAGCATGGTGAAGCCGGTCAGCCCCGCGGGCACCTTCACCTCTG
CTGTGCCCCCTGCGCATCTGAACAAGGGGCCAGACTACTTCCGAGGCAGGCCAGCCCAACCCCAAGAG
GCTCAGCGCCGTGAGAGGCTGGAGGCCGACAAGGCCAAGTACGTCAAGAGCCAGGAGGTGATCAACGCC
AAGCAGGAGCCCGTGAAGCCCGCCGTGCTGGCCAAGCCCCGGTGTGCCCGCTGCCAAGCGCGCACTGG
GCAGCCCCACGCTCAAAGTGTTTCGGCAACCAAGCCAGACCGAGAGCGCGGTGCAGAGGGAGAACCTGAA
GCTGGAGATCCTGAAGAATCATCAATAGCTCCGAGGGCTCTAGCTCGGGCTCGGGGCACAAGCACAGC
TCCCGCAACTGGCCGCCCCACCGGTGGAAGCCACTGACCTGCACCGTCACTCCTTCGCGGAGTCCCTGA
AGGTCTACCCACGCAGGGCCGAGGAGCCCGCAGGAGGGCGGCTCCACGTGGGCAGGAGACTGCTGGA
GCAGTCAGCCGAGTCCTTCCTCCACGTGTCCACAGCTCTTCGGACATCCGCAAGGTGACCAAGCGTGAAG
CCCCTCAAGGCCATCCCCTGCAGTAGCTCTGCCCTCCCCTGCCTCCCAAGCCAAAATCGCAGCCATCG
CCTCCATGAAGTCCCCGAGGCCGACCTGTGGAACCAAGCTTGTGGAGTCAGCCGAAGACCTCCCTCCA
GCGGTCTAAGTCAGACTTGAGTGACAGATATTTCCGAGTGGACGGACGTGGAGAGTTCTTCAACTAC
TGTGGACTGGACCCGGAAGAGCTGGAACCTGGGAATGGAAACTTTGCAAGGGCTAATTCTGACATAA
TATCCCTCAACTTCCGAGCGCAAGTATGATCAGCTCAGACTGTGAACAGTCTCAGGACAGTAACAGTGA
CCTTAGAAATGATGACAGTGCCAATGACCGCGTGCCGTATGGCATTCTGCCATCGAAAGAAATGCTAGA
ATCATCAAGTGTTATATAGCATCAAACAAGCTAGAGAGTCACAGAAGGTCTCCCATGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG206875 representing NM_147189

Red=Cloning site Green=Tags(s)

MPTETLQTGSMVKPVSPAGTFTSAVPLRILNKGPDYFRRQAEPNPKRLSAVERLEADKAKYVKSQEVINA
KQEPVKPAVLAKPPVCPAAKRALGSPTLKVFGNHAKTESGVQRENKLEILKNIINSSEGSSSGSGHKHS
SRNWPPHRSEATDLHRHSFAESLKVYPTQGRSPQEGGSHVGRRLLEQSAESFLHVSHSSDIRKVTSVK
PLKAIPCSSAPPLPPKPKIAAIASMKSP EADPVEPACGVSRP SLQRSKDLSDRYFRVDADVERFFNY
CGLDPEELENLGMENFARANSDIISLNFRSASMISDCEQSQDSNSDLRNDD SANDRVPYGISAIERNAR
IKWLYSIKQARES QKVSHV

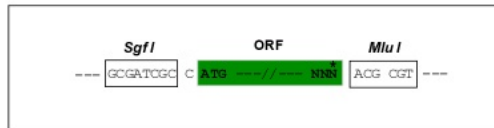
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



CTATAGGGCGGCGGGAATTCGTCGACTGGATCCGATCCGAGGAGATCTGCCGCCGCGATCGCCGCGCGCCAGATCT

EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI

CAAGCTTAAGTCTAGTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC ---

HindIII NheI RsrII MluI NotI XhoI GFP Tag

T R T R P L E M E S D - - -

--- GAA GAA AGA GTT TAA ACGGCGGCGCGGAGCT

- - E E R V Stop

PmeI FseI

ACCN:

NM_147189

ORF Size:

1110 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_147189.1](#), [NP_671722.1](#)

RefSeq Size: 4368 bp

RefSeq ORF: 1113 bp

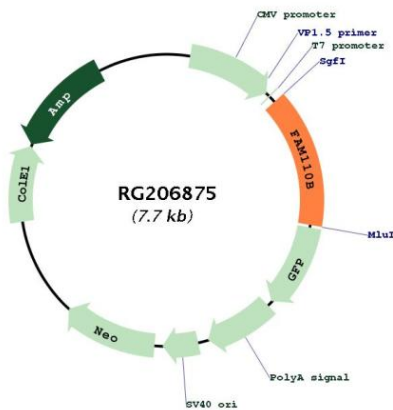
Locus ID: 90362

UniProt ID: [Q8TC76](#)

Cytogenetics: 8q12.1

Gene Summary: May be involved in tumor progression.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206875