

Product datasheet for **RG212187**

Clorf183 (FAM212B) (NM_198926) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Clorf183
Synonyms:	Clorf183; FAM212B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG212187 representing NM_198926
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGGCAACTGATGTCCATGAAGGAGGTGGGTGATGGCTTACAGGATCAGATGAACTGCATGATGGGTG
CACTGCAAGAACTGAAGCTCCTCCAGGTGCAGACAGCACTGGAACAGCTGGAGATCTCTGGAGGGGTCC
TGTGCCAGGCAGCCCTGAAGGTCCAGGACCCAGTGCGAGCACCCCTTGTGGGAGGGTGGCAGAGGTCCT
GCCAGGCCACAGTCTGTTCCCTCCAGTCAACCTTCTTGGCAGCAGCACCAAGTTTCCATCCATA
GGAGTGTCTGTGGAAGGGATTAGCCCCCTTGCCAGGACACAGCCACATCAAAGCTGTGCTCAGCAGGG
GCCAGAGCGAGTGGAACCGGATGACTGGACCTCCACGTTGATGTCCGGGGCCGGAATCGACAGCCTCTG
GTGTTAGGGGACAACGTTTTTGCAGACCTGGTGGCAATTGGCTAGACTTGCCAGAACTGGAGAAGGGTG
GGGAGAAGGGTGAGACTGGGGGGCACGTGAACCCAAAGGAGAGAAAGGCCAGCCCCAGGAGCTGGGCCG
CAGGTTTCGCCCTGACAGCAACATCTTAAAGAAGTTCTTGCGTAGTGTGCGGCCTGACCGTGACCGGCTG
CTGAAGGAGAAGCCAGGCTGGGTGACACCCATGGTCCCTGAGTCCCGAACCAGGCGGCTCACAGAAGGTCA
AGAAGCGGAGCCTTTCAAGGGCTCTGGACATTTCCCTTCCAGGCACCGGGAGCACAGGCGAGGGGA
GAATCCCCCACAAGCTGCCCAAGGCCCTGGAGCACTACCCTCAGGATTTGATATTAACACAGCTGTT
TGGGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG212187 representing NM_198926

Red=Cloning site Green=Tags(s)

MRQLMSMKEVGDGLQDQMNCMMGALQELKLLQVQTALEQLEISGGGPVPGSPEGPRQTQCEHPCWEGGRGP
ARPTVCSPSSQPSLGSSTKFPSSHRVSVCGRDLAPLPRTQPHQSCAQGPVERVEDDWTSTLMSRGRNRQPL
VLGDNVFDLVGNWLDLPELEKGGEKGETGGAREPKGEKGQPQELGRRFALTANIFKKFLRSVRPDRDL
LKEKPGWVTPMVPESTRGRSQKVKRSLKSGSHFPFPGTGEHRRGENPPTSCPKALEHSPSGFDINTAV
WV

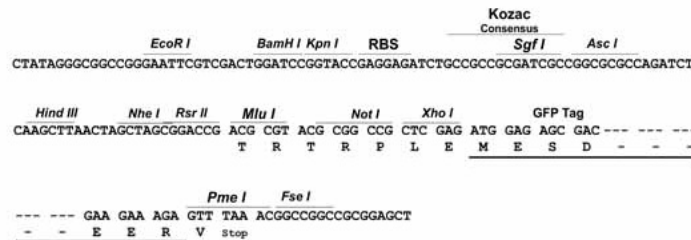
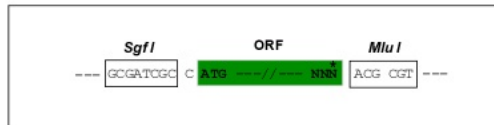
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN:

NM_198926

ORF Size:

846 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_198926.2](#), [NP_945120.1](#)

RefSeq Size: 2154 bp

RefSeq ORF: 849 bp

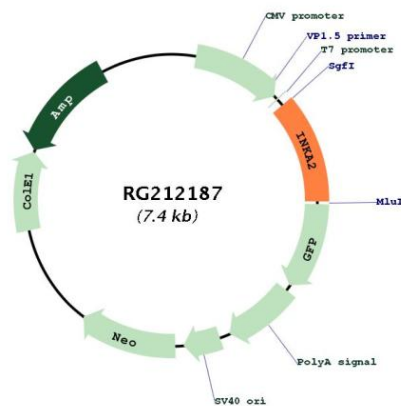
Locus ID: 55924

UniProt ID: [Q9NTI7](#)

Cytogenetics: 1p13.2

Gene Summary: Inhibitor of the serine/threonine-protein kinase PAK4. Acts by binding PAK4 in a substrate-like manner, inhibiting the protein kinase activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG212187