

Product datasheet for **RG204710**

GRO gamma (CXCL3) (NM_002090) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	GRO gamma
Synonyms:	CINC-2b; GRO3; GROg; MIP-2b; MIP2B; SCYB3
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG204710 representing NM_002090
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCCACGCCACGCTCTCCGCCGCCCCAGCAATCCCCGGCTCCTGCGGGTGGCGCTGCTGCTCCTGC
TCCTGGTGGCCGCGCAGCCGGCGCGCAGCAGGAGCGTCCGTGGTCACTGAACTGCGCTGCCAGTGCTTGCA
GACACTGCAGGGAATTCACCTCAAGAACATCCAAAGTGTGAATGTAAGGTCCCCGGACCCCACTGCGCC
CAAACCGAAGTCATAGCCCACTCAAGAATGGGAAGAAAGCTGTCTCAACCCCGCATCCCCATGGTTC
AGAAAATCATCGAAAAGATACTGAACAAGGGGAGCACCAAC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204710 representing NM_002090
Red=Cloning site Green=Tags(s)

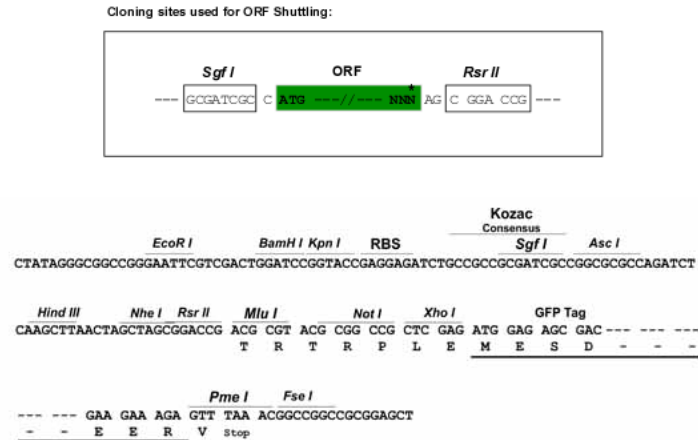
MAHATLSAAPSNPRLRLVALLLLLVAASRRAGASVVTELRCQCLQTLQGIHLKNIQSVNVRSPGPHCA
QTEVIATLKNGKKACLNPASPMQIIEKILNKGSTN

SGPTRTRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII



Cloning Scheme:



ACCN: NM_002090

ORF Size: 321 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.

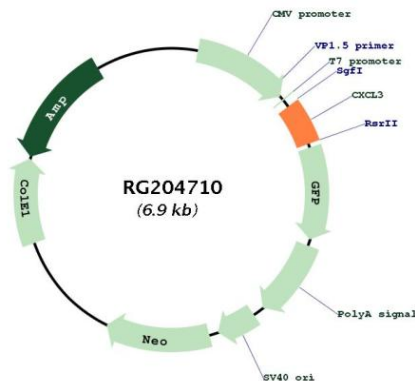
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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:	<u>NM_002090.3</u>
RefSeq Size:	1166 bp
RefSeq ORF:	324 bp
Locus ID:	2921
UniProt ID:	<u>P19876</u>
Cytogenetics:	4q13.3
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction
Gene Summary:	This antimicrobial gene encodes a member of the CXC subfamily of chemokines. The encoded protein is a secreted growth factor that signals through the G-protein coupled receptor, CXC receptor 2. This protein plays a role in inflammation and as a chemoattractant for neutrophils. [provided by RefSeq, Sep 2014]

Product images:



Circular map for RG204710