

Product datasheet for **RG202963**

CXXC5 (NM_016463) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CXXC5 (NM_016463) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CXXC5
Synonyms:	CF5; HSPC195; RINF; WID
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202963 representing NM_016463 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGGGCGGAGAGTCTGCTGACAAGGCCACTGCGGCTGCAGCCGCTGCCTCCCTGTTGGCCAATGGGC
ATGACCTGGCGGGGCCATGGCGGTGGACAAAAGCAACCCTACCTCAAAGCACAAAAGTGGTGTGTGGC
CAGCCTGCTGAGCAAGGCAGAGCGGGCCACGGAGCTGGCAGCCGAGGGACAGCTGACGCTGCAGCAGTTT
GCGCAGTCCACAGAGATGCTGAAGCGCGTGGTGCAGGAGCATCTCCCGCTGATGAGCGAGGCGGGTGTG
GCCTGCCTGACATGGAGGCTGTGGCAGGTGCCGAAGCCCTCAATGGCCAGTCCGACTTCCCCTACCTGGG
CGCTTTCCCATCAACCCAGGCCTTTCATTATGACCCCGCAGGTGTGTTCCTGGCCGAGAGCGCGCTG
CACATGGCGGGCCTGGCTGAGTACCCCATGCAGGGAGAGCTGGCCTCTGCCATCAGCTCCGCAAGAAGA
AGCGGAAACGCTGCGGCATGTGCGCGCCCTGCCGGCGGCATCAACTGCGAGCAGTGCAGCAGTTGTAG
GAATCGAAAGACTGGCCATCAGATTTGCAAATTCAGAAAATGTGAGGAACTCAAAAAGAAGCCTTCCGCT
GCTCTGGAGAAGGTGATGCTTCCGACGGGAGCCGCCTTCCGGTGGTTTCAG

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202963 representing NM_016463
 Red=Cloning site Green=Tags(s)

MMGGESADKATAAAAAASLLANGHDLAAAMAVDKSNPTSKHKSGAVASLLSKAERATELAAEQQLTLQQF
 AQSTEMLKRVVQEHLPLMSEAGAGLPDMEAVAGAEALNGQSDFPYLGAFFINPGLFIMTPAGVFLAESAL
 HMAGLAEYPMQELASAISSGKKKRKRCGMCAPCRRRINCEQCSSCRNRKTGHQICKFRKCEELKKKPSA
 ALEKVMLPTGAAFRFWQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016463

ORF Size: 681 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_016463.6](#)

RefSeq Size: 1447 bp

RefSeq ORF: 969 bp

Locus ID: 51523

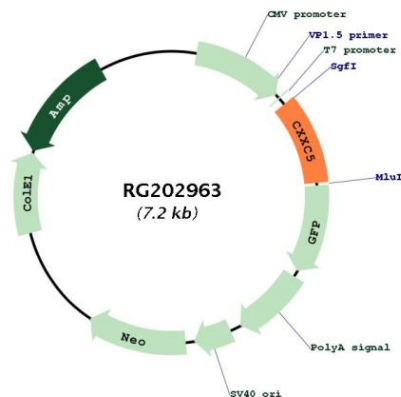
UniProt ID: [Q7LFL8](#)

Cytogenetics: 5q31.2

Domains: zf-CXXC

Gene Summary: The protein encoded by this gene is a retinoid-inducible nuclear protein containing a CXXC-type zinc finger motif. The encoded protein is involved in myelopoiesis, is required for DNA damage-induced p53 activation, regulates the differentiation of C2C12 myoblasts into myocytes, and negatively regulates cutaneous wound healing. Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Nov 2015]

Product images:



Circular map for RG202963