

Product datasheet for **SC319180**

CXXC5 (NM_016463) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CXXC5 (NM_016463) Human Untagged Clone
Tag:	Tag Free
Symbol:	CXXC5
Synonyms:	CF5; HSPC195; RINF; WID
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_016463.5
GGCGGCTGAGCCTGAGCGGGGATGTAGAGGCGGCGGCAGCAGAGGCGGCACTGGCGGCAA
GAGCAGACGCCCGAGCCGAGCGAGAAGAGCGGCAGAGCCTTATCCCTGAAGCCGGGCC
CGCGTCCCAGCCCTGCCAGCCCGCGCCAGCCATGCGCGCCGCTGTGAGTCCGGGCG
CCGCACGTGAGCCCTCCGCCGCGAGCCGCGCTCAGCTCGGGGTGATTAGTTGCTTTT
TGTTGTTTTTAAATTTGGGCCGCGGGGAGGGGAGGGGAGGGGAGGTGCTGCAGGCTCCC
CCCTCCCCGCTCGGGCAGCCGCGGCGGCGACTCGGGCTCGGACCCGGGCACTGC
TGGCGGCTGGAGCGGAGCGCACCCGCGGCTGGTGCCAGAGCGGAGCGAGCTCCCTGC
CCCGCCCTCCCTCGGCTCGCGGCGAGCGGCGGCTGGCGGCTTGGACGACTCGGAG
AGCCGAGTGAAGACATTTCCACCTGGACACCTGACCATGTGCCTGCCCTGAGCAGCGAGG
CCCACCAGGCATCTGTGTGGGCGAGCAGGGCCAGGTCTGGTCTGTGGACCCTCGGCA
GTTGGCAGGCTCCCTCTGCAGTGGGTCTGGGCTCGGCCACCATGTCGAGCCTCGGC
GGTGGCTCCCAGGATGCCGGCGGAGTAGCAGCAGCAGCACCAATGGCAGCGGTGGCAGT
GGCAGCAGTGGCCAAAGGCAGGAGCAGCAGACAAGAGTGCAGTGGTGGTGGCCCGCA
CCAGCCTCAGTGGCAGATGACACACCACCCCGAGCGTGGAAACAAGAGCGGTATCATC
AGTGAGCCCTCAACAAGAGCCTGCGCCGCTCCGCGCCGCTCTCCCACTACTCTTTT
GGCAGCAGTGGTGTAGTGGCGGTGGCAGCATGATGGGCGGAGAGTCTGTGACAAGGCC
ACTGCGGCTGCAGCCGCTGCCTCCCTGTTGGCCAATGGGCATGACCTGGCGGCGGCCATG
GCGGTGGACAAAAGCAACCCTACCTCAAAGCACAAAAGTGGTGTGTGGCCAGCCTGCTG
AGCAAGGCAGAGCGGGCCACGGAGCTGGCAGCCGAGGGACAGTGCAGCTGCAGCAGTTT
GCGCAGTCCACAGAGATGCTGAAGCGCTGGTGCAGGAGCATCTCCGCTGATGAGCGAG
GCGGGTGTGCCCTGCCTGACATGGAGGCTGTGGCAGGTGCCAAGCCCTCAATGGCCAG
TCCGACTTCCCCTACCTGGGCGCTTTCCCATCAACCCAGGCTCTTATTATGACCCCG
GCAGGTGTGTTCTGGCCGAGAGCGCGCTGCACATGGCGGGCCTGGCTGAGTACCCCATG
CAGGGAGAGTGGCTCTGCCATCAGCTCCGGCAAGAAGAAGCGGAAACGCTGCGGCATG
TGCGCGCCTGCCGGCGGCATCAACTGCGAGCAGTGCAGCAGTTGTAGGAATCGAAAG
ACTGGCCATCAGATTTGCAAATTCAGAAAATGTGAGGAACTCAAAAAGAAGCCTTCCGCT
GCTCTGGAGAAGGTGATGCTTCCGACGGGAGCCGCTTCCGGTGGTTTCAGTGACGGCGG
CGGAACCCAAAGCTGCCCTCTCCGTGCAATGTCAGTCTGCTGTGGTCTCCAGCAAGGGA
TTCGGGCAAGACAACGGATGCACCCGCTTTAGAACCAAAAATATTCTCTCACAGATT
TCATTCCTGTTTTATATATATATTTTTTGTGTGTTTTAACATCTCCAGTCCCTAGC
ATAAAAAGAAAAAGAAAAAATTTAAACTGCTTTTTCGGAAGAACAACAACAAAAAGAG
GTAAGAGCAATCTATAAAGTACCGAGACTTCTGGGCAAGAATGGACAATCAGTTTCC
TTCTGTGTGCATGTCGATGTTGTCTGTGCAGGAGATGCAGTTTTTGTGTAGAGAATGTA
AATTTTCTGTAACCTTTTGAAATCTAGTTACTAATAAGCACTACTGTAATTTAGCACAGT
TTAACTCCACCCTCATTTAACTTCTTTGATTCTTTCCGACCATGAAATAGTGCATAGT
TTGCTGGAGAATCCACTCACGTTTATAAAGAGAATGTTGATGGCGCCGTGTAAGCCG
CTCTGTATCCATCCACGCGTGCAGAGCTGCCAGCAGGGAGCTCACAGAAGGGGAGGGAGC
ACCAGGCCAGCTGAGCTGCACCCACAGTCCCAGACTGGGATCCCCACCCCAACAGTGA
TTTTGGAAAAAAAATGAAAGTTCTGTTGTTTTATCCATTGCGATCTGGGAGGCCCATC
TCGATATTTCCAATCCTGGCTACTTTTCTTAGAGAAAATAAGTCTTTTTTTCTGGCCTT
GCTAATGGCAACAGAAGAAAGGGCTTCTTTGCGTGGTCCCTGCTGGTGGGGTGGGTCC
CCAGGGGGCCCCCTGCGGCTGGGCCCCCTGCCACGGCCAGCTTCTGCTGATGAACA
TGCTGTTTGTATTGTTTTAGGAAACCAGGCTGTTTTGTGAATAAAACGAATGCATGTTT
TGTCACGAAA

Restriction Sites: Please inquire
ACCN: NM_016463

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none"> 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:	<u>NM_016463.5</u> , <u>NP_057547.4</u>
RefSeq Size:	2632 bp
RefSeq ORF:	684 bp
Locus ID:	51523
UniProt ID:	<u>Q7LFL8</u>
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] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. All of the variants encode the same protein.