

Product datasheet for SC317489

CXXC5 (NM_016463) Human Untagged Clone

Product data:

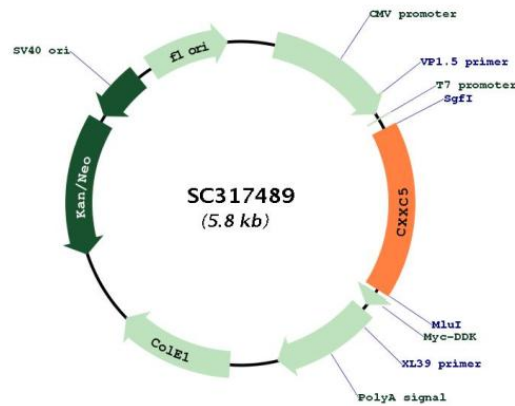
Product Type:	Expression Plasmids
Product Name:	CXXC5 (NM_016463) Human Untagged Clone
Tag:	Tag Free
Symbol:	CXXC5
Synonyms:	CF5; HSPC195; RINF; WID
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317489 representing NM_016463. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGTCGAGCCTCGGCGGTGGCTCCAGGATGCCGGCGGCAGTAGCAGCAGCAGCACCAATGGCAGCGGT
GGCAGTGGCAGCAGTGGCCAAAGGCAGGAGCAGCAGACAAGAGTGCAGTGGTGGCTGCCGCCGACCA
GCCTCAGTGGCAGATGACACACCACCCCGAGCGTCGGAACAAGAGCGGTATCATCAGTGAGCCCTC
AACAAGAGCCTGCGCCGCTCCCGCCGCTCTCCACTACTTCTTTTGGCAGCAGTGGTGGTAGTGGC
GGTGGCAGCATGATGGGCGGAGAGTCTGCTGACAAGGCCACTGCGGCTGCAGCCGCTGCCTCCCTGTTG
GCCAATGGGCATGACCTGGCGGGGCCATGGCGGTGGACAAAAGCAACCCTACCTCAAAGCACAAAAGT
GGTGTGTGGCCAGCCTGCTGAGCAAGGCAGAGCGGGCCACGGAGCTGGCAGCCGAGGGACAGCTGACG
CTGCAGCAGTTTGCAGTCCACAGAGATGCTGAAGCGCGTGGTGCAGGAGCATCTCCCGCTGATGAGC
GAGGCGGGTGTGGCCTGCCTGACATGGAGGCTGTGGCAGGTGCCGAAGCCCTCAATGGCCAGTCCGAC
TTCCCCTACCTGGGCGCTTTCCCATCAACCCAGGCCCTTTCATTATGACCCCGGAGGTGTGTTCTG
GCCGAGAGCGGCTGCACATGGCGGGCTGGCTGAGTACCCATGCAGGGAGAGCTGGCCTCTGCCATC
AGCTCCGCAAGAAGAAGCGGAAACGCTGCGGCATGTGCGCCCTGCCGGCGGCATCAACTGCGAG
CAGTGCAGCAGTTGTAGGAATCGAAAGACTGGCCATCAGATTTGCAAATTCAGAAAATGTGAGGAACTC
AAAAAGAAGCCTTCCGCTGCTCTGGAGAAGGTGATGCTTCCGACGGGAGCCGCTTCCGGTGGTTTCAG
TGA
ACGCGTACGCGGGCCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_016463

Insert Size: 969 bp

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:

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_016463.8](#)

RefSeq Size: 2682 bp

RefSeq ORF: 969 bp

Locus ID: 51523

UniProt ID: [Q7LFL8](#)

Cytogenetics: 5q31.2

Domains: zf-CXXC

MW: 33 kDa

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.