

Product datasheet for **SC118473**

CXCL7 (PPBP) (NM_002704) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CXCL7 (PPBP) (NM_002704) Human Untagged Clone
Tag: Tag Free
Symbol: CXCL7
Synonyms: B-TG1; Beta-TG; CTAP-III; CTAP3; CTAPIII; CXCL7; LA-PF4; LDGF; MDGF; NAP-2; PBP; SCYB7; TC1; TC2; TGB; TGB1; THBGB; THBGB1
Mammalian Cell Selection: None
Vector: [pCMV6-XL4](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_002704 edited
ATGAGCCTCAGACTTGATACCACCCCTTCTGTAACAGTGCAGACCACTTCATGCCTTG
CAGGTGCTGCTGCTTCTGTCATTGCTGCTGACTGCTCTGGCTTCTCCACCAAAGGACAA
ACTAAGAGAAACTTGGCGAAAGGCAAAGAGGAAAGTCTAGACAGTACTGTATGCTGAA
CTCCGCTGCATGTGTATAAAGACAACCTCTGGAATTCATCCAAAAACATCCAAAGTTTG
GAAGTGATCGGGAAAGGAACCCATTGCAACCAAGTCGAAGTGATAGCCACACTGAAGGAT
GGGAGGAAAAATCTGCCTGGACCCAGATGCTCCCAGAATCAAGAAAATTGTACAGAAAAAA
TTGGCAGGTGATGAATCTGCTGATTAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_002704 unedited
NCCCGTTCAGATTTTGTATACGACTCACTATAGCGGCCGCGAATCGGCACGAGCTCTAG
CTCATCCTTCTCCACCATGAGCCTCAGACTTGATACCACCCCTTCTGTAACAGTGCAG
ACCACTTCATGCCTTGCAGGTGCTGCTGCTTCTGTCATTGCTGCTGACTGCTCTGGCTTC
CTCCACCAAAGGACAACTAAGAGAAACTTGGCGAAAGGCAAAGAGGAAAGTCTAGACAG
TGACTTGTATGCTGAACTCCGCTGCATGTGTATAAAGACAACCTCTGGAATTCATCCAA
AAACATCCAAAGTTTGAAGTGATCGGGAAAGGAACCCATTGCAACCAAGTCGAAGTGAT
AGCCACACTGAAGGATGGGAGGAAAAATCTGCCTGGACCCAGATGCTCCCAGAATCAAGAA
AATTGTACAGAAAAAATGGCAGGTGATGAATCTGCTGATTAATTTGTTCTGTTTCTGCC
AAACTTCTTAACTCCCAGGAAGGGTAGAATTTGAAACCTTGATTTTCTAGAGTTCTCA
TTTATTACAGGATACCTATTCTTACTGTATTAATAATTTGGATATGTGTTTCATTCTGTCTC
AAAAATCACATTTTATTCTGAGAAGTTGGTTAAAAGATGGCAGAAAGAAGATGAAAATA
AATAAGCCTGGTTTCAACCCCTAATTCTTGCCTAAACATTGGACTGTACTTTGCATTNT
TTTCTTTAAAAATTTCTATTCTAACACAACCTTGGTTGATNTTCTGGTCTACTNTATGG
NTATTAGACATACTCATGGGTATTATTAGATTTTCATAATGGTCAATGATAATAGGAAATA
CATGGAGCCCCACAGAGATATTGCTCATACATTTTGTATATATTCTAGACTCATGGAG
CCTCTCGTG



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Restriction Sites:	NotI-NotI
ACCN:	NM_002704
Insert Size:	1750 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).
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:	NM_002704.2 , NP_002695.1
RefSeq Size:	715 bp
RefSeq ORF:	387 bp
Locus ID:	5473
UniProt ID:	P02775
Cytogenetics:	4q13.3
Domains:	IL8
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction
Gene Summary:	The protein encoded by this gene is a platelet-derived growth factor that belongs to the CXC chemokine family. This growth factor is a potent chemoattractant and activator of neutrophils. It has been shown to stimulate various cellular processes including DNA synthesis, mitosis, glycolysis, intracellular cAMP accumulation, prostaglandin E2 secretion, and synthesis of hyaluronic acid and sulfated glycosaminoglycan. It also stimulates the formation and secretion of plasminogen activator by synovial cells. The protein also is an antimicrobial protein with bactericidal and antifungal activity. [provided by RefSeq, Nov 2014]