

## Product datasheet for **SC213557**

### **IL8 (CXCL8) (NM\_000584) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	IL8 (CXCL8) (NM_000584) Human 3' UTR Clone
Symbol:	IL8
Synonyms:	GCP-1; GCP1; IL8; LECT; LUCT; LYNAP; MDNCF; MONAP; NAF; NAP-1; NAP1; SCYB8
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000584
Insert Size:	1282 bp



[View online »](#)

<b>Insert Sequence:</b>	<p>&gt;SC213557 3'UTR clone of NM_000584</p> <p>The sequence shown below is from the reference sequence of NM_000584. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p> <pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC AAGTTTTTGAAGAGGGCTGAGAATTCATAAAAAATTCATTCTCTGTGGTATCCAAGAATCAGTGAAGA TGCCAGTGAAACTTCAAGCAAACTACTTCAACACTTCATGTATTGTGTGGGTCTGTTGTAGGGTTGCC AGATGCAATACAAGATTCTGGTTAAATTTGAATTTTCAAGTAAACAATGAATAGTTTTTTCATTGTACCAT GAAATATCCAGAACATACTTATATGTAAAGTATTATTTATTTGAATCTACAAAAACAACAAATAATTT TTAAATATAAGGATTTTCTAGATATTGCACGGGAGAATATACAAATAGCAAAATTGAGGCCAAGGGCC AAGAGAATATCCGAACCTTAATTTCAAGGAATTGAATGGGTTTGTAGAATGTGATATTTGAAGCATCAC ATAAAAAATGATGGGACAATAAATTTTGCATAAAGTCAAATTTAGCTGGAATCTGGATTTTTTTCTG TTAAATCTGGCAACCCTAGTCTGCTAGCCAGGATCCACAAGTCCTTGTCCACTGTGCCTGGTTTCTC CTTTATTTCTAAGTGGAAGAAAGTATTAGCCACCATCTTACCTCACAGTGATGTTGTGAGGACATGTGGA AGCACTTTAAGTTTTTTCATCATAACATAAATTATTTTCAAGTGTAACCTATTAACCTATTTATTTATTT ATGTATTTATTTAAGCATCAAATATTTGTGCAAGAATTTGGAAAAATAGAAGATGAATCATTGATTGAA TAGTTATAAAGATGTTATAGTAAATTTATTTTATTTTAGATATTAATATGATGTTTTATTAGATAAATTT CAATCAGGGTTTTTAGATTAAACAAACAAACAATTGGGTACCCAGTTAAATTTTCATTTCAGATAAACA ACAAATAATTTTTTAGTATAAGTACATTATTGTTTATCTGAAATTTAATTGAACTAACAACTCTAGTT TGATACTCCAGCTCTTGTCATTGCCAGCTGTGTTGGTAGTGCTGTGTTGAATTACGGAATAATGAGTTA GAACTATTAACAGCCAACTCCACAGTCAATATTAGTAATTTCTGCTGGTTGAACTTGTTTATT ATGTACAAATAGATTCTTATAATATTATTTAAATGACTGCATTTTAAATACAAGGCTTTATATTTTAA ACTTTAAGATGTTTTATGTGCTCTCAAATTTTTTTTACTGTTTCTGATTGTATGGAAATATAAAGT AAATATGAAACATTTAAATATAATTTGTTGTCAAAGTAA ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG </pre>
<b>Restriction Sites:</b>	Sgfl-MluI
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<u>NM_000584.4</u>

**Summary:**

The protein encoded by this gene is a member of the CXC chemokine family and is a major mediator of the inflammatory response. The encoded protein is commonly referred to as interleukin-8 (IL-8). IL-8 is secreted by mononuclear macrophages, neutrophils, eosinophils, T lymphocytes, epithelial cells, and fibroblasts. It functions as a chemotactic factor by guiding the neutrophils to the site of infection. Bacterial and viral products rapidly induce IL-8 expression. IL-8 also participates with other cytokines in the proinflammatory signaling cascade and plays a role in systemic inflammatory response syndrome (SIRS). This gene is believed to play a role in the pathogenesis of the lower respiratory tract infection bronchiolitis, a common respiratory tract disease caused by the respiratory syncytial virus (RSV). The overproduction of this proinflammatory protein is thought to cause the lung inflammation associated with cystic fibrosis. This proinflammatory protein is also suspected of playing a role in coronary artery disease and endothelial dysfunction. This protein is also secreted by tumor cells and promotes tumor migration, invasion, angiogenesis and metastasis. This chemokine is also a potent angiogenic factor. The binding of IL-8 to one of its receptors (IL-8RB/CXCR2) increases the permeability of blood vessels and increasing levels of IL-8 are positively correlated with increased severity of multiple disease outcomes (eg, sepsis). This gene and other members of the CXC chemokine gene family form a gene cluster in a region of chromosome 4q. [provided by RefSeq, May 2020]

**Locus ID:**

3576

**MW:**

50.9