

Product datasheet for **SC207948**

IL1 beta (IL1B) (NM_000576) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	IL1 beta (IL1B) (NM_000576) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	IL1B
Synonyms:	IL-1; IL1-BETA; IL1beta; IL1F2
ACCN:	NM_000576
Insert Size:	640 bp
Insert Sequence:	>SC207948 3'UTR clone of NM_000576 The sequence shown below is from the reference sequence of NM_000576. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GACTTCACCATGCAATTTGTGTCTTCCTAAGAGAGCTGTACCCAGAGAGTCCTGTGCTGAATGTGGAC
TCAATCCCTAGGGCTGGCAGAAAGGGAACAGAAAGTTTTGAGTACGGCTATAGCCTGGACTTTCCTG
TTGTCTACACCAATGCCCAACTGCCTTAGGGTAGTGCTAAGAGGATCTCCTGTCCATCAGCCAGG
ACAGTCAGCTCTCTCTTTCAGGGCCAATCCCCAGCCCTTTTGTGAGCCAGGCCTCTCTCACCTCTCC
TACTCACTTAAAGCCCGCTGACAGAAACCACGGCCACATTTGGTTCTAAGAAACCCTCTGTCATTTCGC
TCCCACATTCTGATGAGCAACCGCTTCCCTATTTATTTATTTATTTGTTTGTGTTTATTTCATTGGT
CTAATTTATTCAAAGGGGCAAGAAGTAGCAGTGTCTGTAAAAGAGCCTAGTTTTAATAGCTATGGAA
TCAATTCATTTGGACTGGTGTGCTCTCTTAAATCAAGTCCTTAATTAAGACTGAAAATATATAAGC
TCAGATTATTTAAATGGGAATATTTATAAATGAGCAAATATCATACTGTTCAATGGTTCTGAAATAAAC
TTCACTGAAGAAAAAAAAA
ACGCGTAAAGCGCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	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).
Components:	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.



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RefSeq: [NM_000576.3](#)

Summary: The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is produced by activated macrophages as a proprotein, which is proteolytically processed to its active form by caspase 1 (CASP1/ICE). This cytokine is an important mediator of the inflammatory response, and is involved in a variety of cellular activities, including cell proliferation, differentiation, and apoptosis. The induction of cyclooxygenase-2 (PTGS2/COX2) by this cytokine in the central nervous system (CNS) is found to contribute to inflammatory pain hypersensitivity. Similarly, IL-1B has been implicated in human osteoarthritis pathogenesis. Patients with severe Coronavirus Disease 2019 (COVID-19) present elevated levels of pro-inflammatory cytokines such as IL-1B in bronchial alveolar lavage fluid samples. The lung damage induced by the Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is to a large extent, a result of the inflammatory response promoted by cytokines such as IL-1B. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. [provided by RefSeq, Jul 2020]

Locus ID: 3553

MW: 23.7