

Product datasheet for **MC208766**

II11 (NM_008350) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	II11 (NM_008350) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	II11
Synonyms:	IL-11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208766 representing NM_008350 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGTGTGTTGTCGCCTGGTCTGGTGGTGTGAGCCTTGCCAGATAGAGTCGTTGCCCTGGGC
CACCAGCTGGCTCCCTCGAGTCTCTTCAGACCCTCGAGCAGATCTGGACAGCGCTGTTCTCCTAACCCG
ATCCCTCTGGCAGACACACGGCAACTAGCTGCACAGATGAGAGACAAATCCCAGCTGACGGAGATCAC
AGTCTGGACTCCCTGCCACCTTGCCATGAGCGCTGGGACATTGGGATCTTTCAGCTTCTGGTGTGC
TGACAAGGCTTCGAGTAGACTTGATGTCTACCTCCGGCATGTACAATGGCTGCGCGTGCAGGTGGTCC
TTCCCTAAAGACTCTGGAGCCAGAGCTGGGTGCCCTGCAAGCCGACTGGAACGGCTACTCCGCCGTTTA
CAGCTCTTGATGTCTCGCTGGCCTTGCCCCAGGCAGCCAGACCAACCTGTGATCCCCCTGGGCCCTC
CTGCCTCAGCCTGGGGAAGCATCCGGGCAGCTCATGCCATCCTAGGAGGGCTGCACCTGACCTTGGACTG
GGCCGTGCGGGGCTGCTGTTGTTAAAGACTCGACTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3043_a07.zip

Restriction Sites: SgfI-MluI

ACCN: NM_008350

Insert Size: 600 bp



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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_008350.4 , NP_032376.1
RefSeq Size:	1949 bp
RefSeq ORF:	600 bp
Locus ID:	16156
UniProt ID:	P47873
Cytogenetics:	7 2.76 cM
Gene Summary:	<p>Cytokine that stimulates the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells and induces megakaryocyte maturation resulting in increased platelet production (PubMed:8913282). Also promotes the proliferation of hepatocytes in response to liver damage (PubMed:22253262). Binding to its receptor formed by IL6ST and either IL11RA1 or IL11RA2 activates a signaling cascade that promotes cell proliferation, also in the context of various cancers (PubMed:10026196, PubMed:23948300). Signaling leads to the activation of intracellular protein kinases and the phosphorylation of STAT3 (PubMed:23948300, PubMed:22253262).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>