

Product datasheet for **MC200566**

Ebi3 (NM_015766) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ebi3 (NM_015766) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ebi3
Synonyms: EBI-3; IL-27
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC008209 sequence for NM_015766
ACACACAGCAGCTGGTGACAGAATCAGGGTTCCCGTCACCATCATCATCTCTGCCCATACACTGGACA
ACTGAGCCACACTGGGCAGGTCCTTCCCTGGGGCCAGGTTCCCTGTGTGAGTCCCCTGCTTCCACCTC
TCTCTGATGGGTCACTAACTCGGATCCAAGGAACAGAGCCACAGAGCATGTCCAAGCTGCTTCTCTGTC
ACTTGCCCTCTGGGCCAGCCGCTCCCTGGTTACTGAAACAGCTCTCGTGGCTCTAAGCCAGCCAGA
GTGCAATGCCATGCTTCTCGGTATCCCGTGGCCGTGGACTGCTCCTGGACTCCTCTCCAGGCTCCCAACT
CCACCAGATCCACGTCCTTATTGCCACTTACAGGCTCGGTGTGGCCACCCAGCAGCAGAGCCAGCCCTG
CCTACAACGGAGCCCCAGGCCTCCCGATGCACCATCCCCGACGTGCACCTGTTCTCCACGGTGCCTAC
ATGCTAAATGTCAGTGCACCCAGGCGGCCAGCAGCAGCCTCCTAGCCTTTGTGGCTGAGCGAA
TCATCAAGCCGGACCCTCCGGAAGGCGTGCCTGCGCACAGCGGACAGCGCTGCAGGTGCTCTGGCA
TCCCCCTGCTTCTGGCCCTTCCCGGACATCTTCTCTCAAGTACCGACTCCGCTACCGCGCCGAGGA
GCCTCTCACTTCCGCCAGGTGGGACCCATTGAAGCCACGACTTTCACCCTCAGGAACTCGAAACCCATG
CCAAGTATTGCATCCAGGTGTCAGCTCAGGACCTCACAGATTATGGGAAACCAAGTGACTGGAGCCTCCC
TGGGCAAGTAGAAAGTGCACCCATAAGCCCTGAAGAGGGACTGGATCCTTGATATCAGACCCTGATGTC
GTCTACTTGAGGGTGGCAGGGTGGCCTGTCTGAGTCTGAATACTGACTTCCATGTACTGGGCTGCTCC
GAAGCACTGGATAATTCATTGACTTCTCAGACCTCAATTTCCAACCCTGTGGGATGATCTTCTTCTT
CTGCCGGTGGGGCTTTGTGAACCTTTGTGATTTAATTAGAAAGACGGATTAAATAAGAATCATCATCAA AAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_015766

Insert Size: 687 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).



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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:	BC008209 , AAH08209
RefSeq Size:	1131 bp
RefSeq ORF:	687 bp
Locus ID:	50498
UniProt ID:	Q35228
Cytogenetics:	17 29.08 cM
Gene Summary:	Associates with IL27 to form the IL-27 interleukin, a heterodimeric cytokine which functions in innate immunity. IL-27 has pro- and anti-inflammatory properties, that can regulate T-helper cell development, suppress T-cell proliferation, stimulate cytotoxic T-cell activity, induce isotype switching in B-cells, and that has diverse effects on innate immune cells. Among its target cells are CD4 T-helper cells which can differentiate in type 1 effector cells (TH1), type 2 effector cells (TH2) and IL17 producing helper T-cells (TH17). It drives rapid clonal expansion of naive but not memory CD4 T-cells. It also strongly synergizes with IL-12 to trigger interferon-gamma/IFN-gamma production of naive CD4 T-cells, binds to the cytokine receptor WSX-1/TCCR. Another important role of IL-27 is its antitumor activity as well as its antiangiogenic activity with activation of production of antiangiogenic chemokines. [UniProtKB/Swiss-Prot Function]