



**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_022823 unedited  
 TCGGATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGCCAGGCCAGCG  
 TCCGGGCAACGCCCTGCTCCCGGACAGACTCCGTGGCCCGCTCGAGCCCTGGGGGCTC  
 CGCAGACCCGCGCCCGCTCCGCCCGCAGCTCGGCCCGCGCTGCCCGGTGCGCCGGGCC  
 GCGCCGGGATGGGGTAGGGGACGCGCCACCGAGTCGGGCGATGGGCCGCCCTCTGGGCAC  
 CGAGCAGCCCCCGAGGCCTGACCAACCGGAGGACCGGGGAGGAGCCCCGCTGGATG  
 TCAAGCGGATGCCAAGCGGATGCCACAGTCCCCCCCCAGCGGACTCCGTGGGGACATGG  
 CTTGCTGGTGGCCCTTCCCATATCTAAGCCCCACGGTCCTCTGCTGGTCAGCTGTG  
 ACCTGNGCTTCGTGCGAGCAGACCGGCCTCCCTCTCTGTGAATGTGACGGTCACTCACC  
 TCAGAGCCAACCTCGGCCACTGTGTCTGGGACGTCCAGAAAGCAACATCGTCATTGGCT  
 ACTCCATTTCCAGCAACGGCAGAAATGGCCCCGGCAGCGTGTGATTCGGGAGGTGAACA  
 CCACCACCCGGGCTGTGCCCTCTGGGGCTGGCTGAAGACAGTACTACACAGTGCAGG  
 TCAGGAGCATCGGCCTTCGGGGAGAGAGTCCCCCAGGCCCGGNTGCACTTCGAACTC  
 TCAGGGNNTCTGACCGCTACCTCAAACAGTTCAGGCCAGGTGACATCACAGTGAAGG  
 TCTGGATGGGAGAGCGCCACTGCANACTGGGGAAGTGGGTATCATGTGGTGGGTGTCT  
 CATGTGGGCTGTGTAATTGGGGCTGTCTGCCGTCAAGTATGACATCATCAAGGACAATGA  
 CTCCTCAACATCCCAAGGAGAAGGAAAGNGNCNGNACAGAGN

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_022823 unedited  
 NTTCTTTGGCCGCGCCGAATCTANATCGAGTTTTTTTTTTTTTTTTTTTTTTTGTTC  
 AAAACCTTTATTGAAAAATGTCCAACAAGTGATCACTAGCAGCTGAAGGGGCTGCCA  
 GGTGAGAGGGGAGCACCTGAGGCTCCATGGAAGACATTGGAGTAGTGCAGTGCAGCATC  
 TGCTCTAGGGTCAGACAATTCCTTTTATTGCTGGGGTAAGAGGAGTACCCACAGAAAC  
 ACCCTCTCTGAGGGCCAGAGGCAAGATGTGGGGCAGCTGGGGATGCTCAGAGTCCTGAT  
 ACAGGTGAAATGGGGCCCCATTTGGGACCTAATGGAGTAGGGTACAACCTAGTACTCTC  
 CCCTGGACCGGGGAATGGAAGGAGATATCCCATCTGATATCCACTCCCCAGGTCCAGGGG  
 CACAGACTCTGAACAGACCTACCTTCTGGCTCTGCTCACAGTGGAAAGAGGATGGGTACC  
 AGGCCTGAGATTGTGGGAGTGGCATTACCTCTGGGAGTCTGGGCAGATCACCATCTTG  
 GGCTCCCCCTGACCCATCCCTATCCCCAGTTGTTAGTGCATCTCTTTCTGGGTGTGTT  
 TCTTCACTCAAACGTCGATGGTGTGATAGATGGTGACTTTTTCTGTCTGTCCCCACTG  
 GCCCTTCTGAGGACTGTTCGGGCCCTTCCCTTCTCCTTGGGATTGTTGNNTGGAG  
 TCATTGGCCTTGATGATGCATACTGACGGGACAGACAGCCCAATACCGCAGCCACATGA  
 AGCACACCACCCATGATGACCCTTCCAGCCTGCAGTGGCCGGTCTTCATCCAGACCT  
 TCCTGGGGATGCACCTGGGCCTTGACTGGTTGAGGGGACCCGGCCAACCTTGGAGATTC  
 CGGAAGGGCCCCCGGCCCTGGGGACCCTCTCCCGAAGGCGATGCTCCTGACTGCCA

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_022823

**Insert Size:**

1590 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:**

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\\_022823.1](#), [NP\\_073734.1](#)

**RefSeq Size:** 1649 bp

**RefSeq ORF:** 705 bp

**Locus ID:** 64838

**UniProt ID:** [Q9H6D8](#)

**Cytogenetics:** 2p23.3

**Domains:** FN3

**Protein Families:** Transmembrane

**Gene Summary:** Acts as an anti-inflammatory factor in the intestine and colon. Binds to and acts on macrophages to downregulate pro-inflammatory gene expression. Affects key macrophage functions, including phagocytosis, by downregulating many key pathways for macrophage activation, partly via by STAT3 activation and signaling. May be required to dampen the immunological response in colitis.[UniProtKB/Swiss-Prot Function]