

Product datasheet for **MC200473**

Chi3l1 (BC003780) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Chi3l1 (BC003780) Mouse Untagged Clone
Tag: Tag Free
Symbol: Chi3l1
Synonyms: Brp39, brp-39
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC003780
 CCCTGACTAGGAAGCTGGTACTAGGAGAAGCCATCATGCACACCTCTACTGAAGCCAGGATGGGCATGA
 GGGCGGCACTGACAGGCTTTGCGGTCTGATGCTGCTCCAGAGCTGCTCTGCGTACAAGCTGGTCTGCTA
 CTTCAACCAGCTGTTCCAGTACCGGGAAGGCGTTGGAAGCTTCTTACCAGACGCCATCCAACCTTTCCTG
 TGCACCCACATCATCTACAGCTTTGCCAACATCAGCAGCGACAACATGCTTAGCAGATGGGAGTGGAAATG
 ACGAGTCGAACTATGACAAGCTGAATAAACTGAAGACCAGAAACACCAACCTGAAGACCCTCCTGTCTGT
 TGGAGGGTGGAAATTTGGCGAAAAAAGATTTTCCGAGATTGCCTCCAACACTGAGAGACGCACTGCTTTC
 GTCCGGTCCGTAGCCCCGTTCTGCGTTCTTATGGCTTTGATGGGCTGGATCTCGCTGGCTCTACCCTC
 GCTTAAGAGACAAGCAGTATTTCTCCACCCTGATCAAGGAACTGAATGCGGAATTCACAAAGGAGGTCCA
 GCCAGGCAGAGAGAACTCCTGCTCAGCGCAGCTTTGTCAGCAGGAAAGGTGGCCATTGACTGGCTAT
 GACATCGCCAGATAGCCCAACACCTGGATTTTATCAATCTCATGACCTACGATTTCCATGGAGTCTGGC
 GCCAAATCACAGGCCACCACAGCCCCCTTCCAAGGCCAGAAGGACACTAGGTTTGACAGATACAGCAA
 TGTGAACTATGCCGTGCAGTACATGATACGTCTGGGAGCCAGGCCAGCAAGCTACTGATGGCATCCCC
 ACCTTTGGGAAGAGCTTCACTCTGGCATCTTCTGAAAATCAGTTGGGAGCTCAAATCTCAGGGGAAGGAT
 TACCAGGCCGGTTCACCAAGGAGGCAGGGACCCTGGCCTACTACGAGATATGCGACTTCTCAAAGGAGC
 TGAAGTACATCGACTCTCCAACGAGAAGGTTCCCTTCGCTACCAAGGGCAACCAAGTGGTGGGATGAG
 GACAAGGAGAGTGTCAAAAACAAGGTTGGGTTCTGAAGGAGAAGAAGCTGGCAGGAGCCATGGTGTGGG
 CACTGGATTTGGATGATTTCCAGGGCACCTGTGAGCCGAAGGAATCTTCCCGCTACCAACGCCATCAA
 GGATGCCCTGGCTTAGCTCCCCCTTTCCATATGGTACCCCACTCTCTGGCCAGGAGTTAATCTCTTG
 CAATGTTAAGTTCCCAACTGAGCCTCAGTTTCTCCTTCCCTTGGCACCTGTGTAAGGGGCCACAGCAGG
 CTCAGCTATGGAGAACAGGAACTAGGGTAGGACGATGGTGGGGTTGTGAGAGTACAGTGTGAGCAGAT
 ACACAACCCTGTTAAGGAATGCAAATCTCAGACTCTAACCTCCCTTTACCCAGCCTGACCAAAGGACAC
 CACTTGGATCAAGTAGGCAAATATCTTACAGGATTGAGGGACCATACTAATTATACCCTCTGCAAAGCCC
 AACTTGAATCCTTCCCTTAGGAACTTAATCGTCCCCTTCCCTTTCCCTAATTCCACAGCTGTTCAATAA
 AGCGCCAGAACCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI



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ACCN:	BC003780
Insert Size:	1146 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:	<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:	<u>BC003780</u> , <u>AAH03780</u>
RefSeq Size:	1651 bp
RefSeq ORF:	1146 bp
Locus ID:	12654
Cytogenetics:	1 58.15 cM
Gene Summary:	Carbohydrate-binding lectin with a preference for chitin. Has no chitinase activity. May play a role in tissue remodeling and in the capacity of cells to respond to and cope with changes in their environment. Plays a role in T-helper cell type 2 (Th2) inflammatory response and IL-13-induced inflammation, regulating allergen sensitization, inflammatory cell apoptosis, dendritic cell accumulation and M2 macrophage differentiation. Facilitates invasion of pathogenic enteric bacteria into colonic mucosa and lymphoid organs. Mediates activation of AKT1 signaling pathway and subsequent IL8 production in colonic epithelial cells. Regulates antibacterial responses in lung by contributing to macrophage bacterial killing, controlling bacterial dissemination and augmenting host tolerance. Also regulates hyperoxia-induced injury, inflammation and epithelial apoptosis in lung.[UniProtKB/Swiss-Prot Function]