

Product datasheet for MC205686

Chil1 (NM_007695) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Chil1 (NM_007695) Mouse Untagged Clone
Tag: Tag Free
Symbol: Chil1
Synonyms: AW208766; Brp39; Chi3l1; Gp39
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC005611
 CGGACCGTGGGCGGACGCGTGGGGCTGGGTACTAGGAGAAGCCATCATGCACCTCTACTGAAGCCAG
 GATGGGCATGAGGGCGGCACTGACAGGCTTTGCGTCCTGATGCTGCTCCAGAGCTGCTCTGCGTACAAG
 CTGGTCTGCTACTTCACCAGCTGGTCCCAGTACCGGGAAGGCGTTGGAAGCTTCTTACCAGACGCCATCC
 AACCTTTCCTGTGCACCCACATCATCTACAGCTTTGCCAACATCAGCAGCGACAACATGCTTAGCACATG
 GGAGTGAATGACGAGTGAAGTATGACAAGCTGAATAAACTGAAGACCAGAAACACCACTGAAGACC
 CTCCTGTCTGTTGGAGGGTGGAAATTTGGCGAAAAAAGATTTTCCGAGATTGCCTCCAACACTGAGAGAC
 GCACTGCTTTCGTCGGTCCGGTAGCCCCGTTCTGCGTCTTATGGCTTTGATGGGCTGGATCTCGCCTG
 GCTCTACCCTCGTTAAGAGACAAGCAGTATTTCTCCACCCTGATCAAGGAAGTGAATGCGGAATTCACA
 AAGGAGGTCCAGCCAGGAGAGAGAAAACCTGCTCAGCGCAGCTTTGTCAGCAGGAAAGGTGGCCATTG
 AACTGGCTATGACATCGCCAGATAGCCCAACACCTGGATTTTATCAATCTCATGACCTACGATTTCCA
 TGGAGTCTGGCGCCAAATCACAGGCCACCACAGCCCCCTTCCAAGGCCAGAAGGACACTAGGTTTGAC
 AGATACAGCAATGTGAATATGCGGTGAGTACATGATACGTCTGGGAGCCCAGGCCAGCAAGCTACTGA
 TGGGCATCCCCACCTTTGGGAAGAGCTTACTCTGGCATCTTCTGAAAATCAGTTGGGAGCTCCAATCTC
 AGGGGAAGGATTACCAGGCCGGTTCACCAAGGAGGCAGGGACCCTGGCCTACTACGAGATATGCGACTTC
 CTCAAAGGAGCTGAAGTACATCGACTCTCAACGAGAAGGTTCCCTTCGCTACCAAGGGCAACCAGTGGG
 TGGGGTATGAGGACAAGGAGAGTGTCAAAAACAAGGTTGGGTTCTGAAGGAGAAGAAGCTGGCAGGAGC
 CATGGTGTGGGCACTGGATTTGGATGATTTCCAGGGCACCTGTCAGCCGAAGGAATCTTCCCCTCACC
 AACGCCATCAAGGATGCCCTGGCTTAGCTCCCCCTTTCCCATATGGTACCCCACTCTCTGGCCAGGAGT
 TTAATCTTTGCAATGTTAAGTTCCCAACTGAGCCTCAGTTTCTCCTTCCCTTGGCACCTGTGTAAGGG
 GCCACAGCAGGCTCAGCTATGGAGAACAGGGAAGTGGGTAGGACGATGGTGGGGTTGTGAGAGTACAG
 TGTGAGCAGATACACAACCCTGTTAAGGAATGCAAATTCTCAGACTCTAACCTCCCTTTACCAGCCTGA
 CCAAAGGACACCCTGGATCAAGTAGGCAAAATCTTACAGGATTGAGGGACCACTAATAATTATACCTT
 CTGCAAAGCCCACTTGAATCCTTCCCTTAGGAACTTAATCGTCCCCTTCCCTTCCCTAATCCACAG
 CTGTTCAATAAAGCGCCAGAACCCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI



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ACCN:	NM_007695
Insert Size:	1146 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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:	BC005611 , AAH05611
RefSeq Size:	1664 bp
RefSeq ORF:	1146 bp
Locus ID:	12654
UniProt ID:	Q61362
Cytogenetics:	1 58.15 cM
Gene Summary:	<p>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]</p>