

Product datasheet for **MC227835**

Chit1 (NM_001284525) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chit1 (NM_001284525) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chit1
Synonyms:	2300002L19Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC227835 representing NM_001284525
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTGCAGTCCCTGGCCTGGCAGGTGTGATGACTCTGCTGATGGTCCAGTGGGCTCTGCTGCAAAAC
TGGTCTGCTACCTCACCAACTGGTCCCAGTACCGACGGAGGCAGTTCGGTCTTTCCCAGGGATGTGGA
TCCCAACCTGTGTACCCACGTACTCTTTGCTTTTCTGGAATGGACAACCATCAGCTCAGCACTGTGGAG
CACAATGACGAACTTCTCTACCAGGAGCTGAACAGCCTAAAGACTAAGAACCCCAAGCTCAAGACCCTGT
TAGCCGTTGGAGGCTGGACCTTTGGTACCCAGAAGTTCACAGACATGGTGGCCACCGCCAGCAACCCGGCA
GACCTTTGTGAAGTCAGCCCTAAGTTTCTGCGCACTCAAGGTTTTGATGGCCTTGACCTTGACTGGGAG
TTCCAGGTGGACGTGGGAGCCCCACAGTAGACAAAGAGAGATTCACAGCCCTGATACAGGACTTGCCCA
AAGCCTTCCAGGAGGAAGCCAGTCCTCAGGGAAGGAACGCCTCCTTCTGACTGCAGCTGTACCGAGTGA
TCGAGGCTGGTGGATGTGGCTACGAGGTGGACAAGATTGCCAGAGCTGGATTTTCATCAACCTTATG
GCCTACGACTTCCACAGCTCCTTGAAAAGACCACAGGGCATAACAGCCCTCTACAAAAGGCAAGGAG
AAAGTGGGGCAGCCGCTGAGCAAAACGTGGATGCTGCTGTGACGCTCTGGCTGCAGAAGGGGACCCAGC
CAGCAAACTGATCCTTGGCATGCCTACCTATGGACGCTCTTTCACCTTGGCCTCCTCGTCAGACAATGGA
GTTGGGGCCCCAGCCACAGGGCCTGGTGGCCAGGCCCTATACGAAGGACAAAGGGTCTGGCTTACT
ATGAGGCTGCTCCTGGAAGGAAAGACACAGAATCGAGGACCAGAAGGTGCCTTACGCCTCCAGGACAA
CCAGTGGGTGAGCTTTGACGACGTGGAAGCTTCAAAGCCAAGGCTGCCTACCTGAAACAGAAGGGGCTG
GGAGGACCATGGTCTGGTCTGGACTTGGATGACTTCAAGGGTCTCTGCAACCAGGGCCCGTACC
CTCTCATCCGGACACTACGGCAGGAATAATCTTCCATCCGAGACTCCAAGGAGCCAGAACAGATAAT
ACCTGAGCCACGCCCATCTTCTATGCCAGAGCAGGGACCCAGCCAGGGCTAGATAAATTCTGCCAAGGC
AAAGCTGATGGGGTCTACCCCAACCCTGGAGACGAGTCCACTTACTACAACGTGGAGGAGGGCGGCTGT
TCCAGCAGAGCTGCTCCAGGCCTGGTGTAGAGCCTTGTGCAATGTTGTACCTGGAGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001284525

Insert Size: 1395 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001284525.1](#), [NP_001271454.1](#)

RefSeq Size: 1851 bp

RefSeq ORF: 1395 bp

Locus ID: 71884

UniProt ID: [Q9D7Q1](#)

Cytogenetics: 1 E4

Gene Summary: Degrades chitin, chitotriose and chitobiose. May participate in the defense against nematodes and other pathogens (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longer protein (isoform 1). Variants 1 and 3 encode the same protein.