

Product datasheet for **SC210235**

CHIT1 (NM_003465) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: CHIT1 (NM_003465) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: CHIT1
Synonyms: CHI3; CHIT; CHITD
ACCN: NM_003465
Insert Size: 840 bp
Insert Sequence: >SC210235 3'UTR clone of NM_003465
 The sequence shown below is from the reference sequence of NM_003465. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AACTCCTGCAAATGCTGCACCTGGAATTGAGTCGCTAAAGCCCTCCAGTCCCAGCTTTGAGGCTGGGC
CCAGGATCACTTACAGCCTGCCTCCTGGGTTTTCCCTGGGGCCGCAATCTGGCTCCTGCAGGCCTTT
CTGTGGTCTTCTTTATCCAGGCTTCTGCTCTCAGCCTTGCCCTTCTTTTTCTGGGTCTCCTGGGCT
GCCCTTTCACTTGCAAATAAATCTTTGGTTGTGCCCTCTTCCCAAAGATGTGGTGACTTAAGAGG
CTCTCTAAGCACACTGTTGACTCAAAACATCCGAGGTCAGAGCCAGGTGGGAAGTGGTCCGTGCAG
GATGTGCCAGGCCCTGTGGCAGGTCTTGCCCATGAGTCCATATGCCAGTGGGCAGTTTCCAGTACACA
GGTGTGGCAGCCAGAGCGGCCCAAGTGAACACGTTCTTTGGTTATTGGCTCAGAAGCCTGGAAA
CAGGAGCTTCTGCGGACCTTACGCACGTGTTATCCCAAATGCCACTAGATGGCAGCAGAGAAGAAC
TTTTCCCTGATTTAAGCGCTCTGCGAGCAGCCACTCAGCATTACCTAAGAATTCAGACCCCTGGTACT
CAGGGGTCTTCGAGATAAATCCTGTTTGGGCCCTTGCAGGCCCTATCTCACCTACTGCCCCGTTTAC
CAGATGAAGAAGGAACAATGATTATTCTCACTTTATAGGCATTTAAACTGAAGACTGATTCTAACCAAT
TCTGAGTCCAGAACCAAGGCCTGAAATGGGCCAGAGAGCATGCACACGGTGTCTGGTTAAATAAAGTC
ATCCCAACATTC
ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).



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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_003465.3
Summary:	Chitotriosidase is secreted by activated human macrophages and is markedly elevated in plasma of Gaucher disease patients. The expression of chitotriosidase occurs only at a late stage of differentiation of monocytes to activated macrophages in culture. Human macrophages can synthesize a functional chitotriosidase, a highly conserved enzyme with a strongly regulated expression. This enzyme may play a role in the degradation of chitin-containing pathogens. Several alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Jan 2012]
Locus ID:	1118
MW:	30.9