

## Product datasheet for **SC216198**

### Galactosylceramidase (GALC) (NM\_000153) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Galactosylceramidase (GALC) (NM_000153) Human 3' UTR Clone
Symbol:	Galactosylceramidase
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000153
Insert Size:	1713 bp



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**Insert Sequence:** >SC216198 3' UTR clone of NM\_000153  
 The sequence shown below is from the reference sequence of NM\_000153. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site  
**Blue**=Stop Codon

CAATTGGCAGAGCTCAGAATTCAA**GCGATCGC**

TGTGGAAGCCACACGCT**AA**TACTTAACAGGGCATCATAGAATACTCTGGATTTTCTCCCTTCTTTTGG  
 TTTTGGTTCAGAGCCAATTCTTGTTCATTGGAACAGTATATGAGGCTTTTGAGACTAAAAATAATGAAG  
 AGTAAAAGGGGAGAGAAATTTATTTTAAATTTACCCTGTGGAAGATTTTATTAGAATTAATCCAAGGGG  
 AAAACTGGTGAATCTTTAACATTACCTGGTGTGTTCCCTAACATTCAAAGTGCATTGGCCATACCCCTT  
 AGGAGTGGTTTGTAGTAGTACAGACCTCGAAGCCTTGCTGCTAACACTGAGGTAGCTCTCTTCATCTTATT  
 TGCAAGCGGTCTGTAGATGGCAGTAACTTGATCATCACTGAGATGTATTTATGCATGCTGACCGTGTGT  
 CCAAGTGAGCCAGTGTCTTCATCACAAGATGATGCTGCCATAATAGAAAGCTGAAGAACACTAGAAGTAG  
 CTTTTTAAAACCACTTCAACCTGTTATGCTTTATGCTCTAAAAGTATTTTTTATTTTCCTTTTTAAG  
 ATGATACTTTTGAATGCAGGATATGATGAGTGGGATGATTTTAAAAATGCCTCTTTAATAAACTACCTC  
 TAACACTATTTCTGCAGTAATAGATATTAGCAGATTAATGGGTATTTGCATTATTTAATTTTTTGT  
 TCCAAGTTTTGGTCTTGTAACTACTATAACTCTCTGTGAACGTTTTTCCAGGTGGCTGGAAGAAGGAAGA  
 AAACCTGATATAGCCAATGCTGTGTAGTCGTTTCCCTCAGCCTCATCTCACTGTGCTGTGGTCTGTCCCTC  
 ACATGTGCACTGGTAACAGACTCACACAGCTGATGAATGCTTTTCTCTCCTTATGTGTGGAAGGAGGGGA  
 GCACCTAGACATTTGCTAACTCCAGAATTGGATCATCTCCTAAGATGTACTTACTTTTTAAAGTCCAAA  
 TATGTTTTATTTAAATATACGTGAGCGTGTTCATCATGTTGTATGATTTATACTAAGCATTAAATGTGGC  
 TCTATGTAGCAAATCAGTTATTCATGTAGGTAAGTAAATCTAGAATTATTTATAAGAATTACTCATTGA  
 ACTAATCTACTATTTAGGAATTTGTAAGAGTCTAACATAGGCTTAGCTACAGTGAAGTTTTGCATTGCT  
 TTTGAAGACAAGAAGATAAGTGCTAGAATAAATAAGATTACAGAGAAAATTTTTTGTAAACCAAGTGA  
 TTTCCAGCTGATGTATCTAATTTTTTAAAACGAACATTATAGAGGTGAATTTATTTACAATAAAATG  
 TTCCTACTTTAAATATACAATTCAGTGAGTTTTGATAAATTGATATACCATGTAACCAACTCCAGTC  
 AAGCTTCAGAATATTTCCATCACCCAGAAGTTCTCTGTATACCTGCTCAGTCAGTTCCTTTCACTCC  
 CAATTGTTGGCAGCCATTGATAGGAATTCTATCACTATAGGTTAGTTTTCTTTGTTCCAGAACATCATGA  
 AAGCGGCTCATGTAAGTGTATTCTTATGAATGGTTTCTTTCCATCAGCATAATGATTTGAGATTTGTC  
 CATGTTGTGATTCAGTGGTTTGTTCCTTCTTATTTCTGAAGAGTTTTCCATTGTATGAATATACCACA  
 ATTTGTTTCTCCACCAGTTTCTGATACTAC

**ACGCGT**AAGCGGCCGCGCATCTAGATTCAAGAAAATGACCG

**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).

**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\\_000153.2](#)

**Summary:** This gene encodes a lysosomal protein which hydrolyzes the galactose ester bonds of galactosylceramide, galactosylsphingosine, lactosylceramide, and monogalactosyldiglyceride. Mutations in this gene have been associated with Krabbe disease, also known as globoid cell leukodystrophy. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

**Locus ID:** 2581