

## Product datasheet for **SC215750**

### **CSGALNACT1 (NM\_001130518) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	CSGALNACT1 (NM_001130518) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CSGALNACT1
Synonyms:	beta4GalNAct; ChGn; ChGn-1; CSGalNAct-1; SDJLABA
ACCN:	NM_001130518
Insert Size:	1649 bp



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**Insert Sequence:** >SC215750 3'UTR clone of NM\_001130518  
 The sequence shown below is from the reference sequence of NM\_001130518. 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
AACAGAAAGACAAGTAGCAAAAAACATGAACTCCAGAGAAGGATTGTGGGAGACACTTTTTCTTTCC
TTTTGCAATTACTGAAAGTGGCTGCAACAGAGAAAAGACTTCCATAAAGGACGACAAAAGAATTGGACT
GATGGGTGAGAGATGAGAAAACCTCCGATTCTCTGTTGGGCTTTTTACAACAGAAATCAAATCTC
CGCTTTGCCTGCAAAAGTAACCCAGTTGCACCCTGTGAAGTGTCTGACAAAGGCAGAATGCTTGTGAGA
TTATAAGCCTAATGGTGTGGAGTTTTGATGGTGTTTACAACACACTGAGACCTGTTGTTTTGTGTGCT
CATTGAAATATTCATGATTTAAGAGCAGTTTTGAAAAAATTCATTAGCATGAAAGGCAAGCATATTTTC
TCCTCATATGAATGAGCCTATCAGCAGGGCTCTAGTTTCTAGGAATGCTAAAATATCAGAAGGCAGGAG
AGGAGATAGGCTTATTATGATACTAGTGAGTACATTAAGTAAAAATAAATGGACCAGAAAAGAAAAGAA
ACCATAAATATCGTGTCAATTTTTCCCAAGATTAACCAAAAATAATCTGCTTATCTTTTTGGTTGTCC
TTTTAACTGTCTCCGTTTTTTTTCTTTATTTAAAAATGCACTTTTTTTCCCTTGTGAGTTATAGTCTGC
TTATTTAATTACCACTTTGCAAGCCTTACAAGAGAGCACAAAGTTGGCCTACATTTTTATTTTTTAAAG
AAGATACTTTGAGATGCATTATGAGAACTTTCAGTTCAAAGCATCAAATTGATGCCATATCCAAGGACA
TGCCAAATGCTGATTCTGTCAGGCCTGAATGTGAGGCATTGAGACATAGGGAAGGAATGGTTTGTACT
AATACAGACGTACAGATACTTTCTGAAAGATTTTTCGAAGAGGAGCAACTGAACACTGGAGGAAAA
GAAAATGACACTTTCTGCTTTACAGAAAAGGAACTCATTGACTGGTGATATCGTGATGTACCTAAA
AGTCAGAAACCACATTTCTCCTCAGAAGTAGGGACCGCTTCTTACCTGTTTAAATAAACCAAAAGTAT
ACCGTGTGAACCAACAATCTCTTTTCAAACAGGGTGCTCCTCCTGGCTTCTGGCTTCCATAAGAAGA
AATGGAGAAAAAATATATATATATATTGTGAAAGATCAATCCATCTGCCAGAATCTAGTGGGATGG
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TTCTACTCGATCACCAAGATGCTTCTGAAAATTGCATTTTATTACCATTCAAACATTTTTTAAAAAT
AAATACAGTTAACATAGAGTGGTTTCTTCATTCATGTGAAAATTATTAGCCAGCACCAGATGCATGAGC
TAATTATCTTTGAGTCTTGTCTGTTTGTCTCACAGTAACTCATTGTTTAAAGCTTCAAGAACA
TTCAAGCTGTTGGTGTGTTAAAAATGCATTGTATTGATTTGACTGGTAGTTTATGAAATTTAATTAA
AACACAGGCCATGAATGGAAGGTGGTATTGCACAGCTAATAAAATATGATTTGTGGATATGA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
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).

**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\\_001130518.2](#)

**Summary:** This gene encodes an enzyme that transfers N-acetylglucosamine (GalNAc) to the core tetrasaccharide linker and to elongating chondroitin sulfate chains in proteoglycans. Knockout of the orthologous mouse gene indicates that the protein is necessary for normal cartilage development and aggrecan metabolism. Mutations in this gene are associated with multiple sclerosis progression, and with mild skeletal dysplasia and joint laxity. [provided by RefSeq, Aug 2017]

**Locus ID:** 55790

**MW:** 64.8