

## Product datasheet for **SC202814**

### beta glucuronidase (GUSB) (NM\_000181) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	beta glucuronidase (GUSB) (NM_000181) Human 3' UTR Clone
Symbol:	beta glucuronidase
Synonyms:	BG; MPS7
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000181
Insert Size:	243 bp
Insert Sequence:	>SC202814 3'UTR clone of NM_000181 The sequence shown below is from the reference sequence of NM_000181. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA <b>GCGATCGCC</b> CAATGTTTGAAAAACAGCCTGTTTACT <b>TGA</b> GCAAGACTGATACCACCTGCGTGTCCCTTCCCTCCCGAG TCAGGGCGACTTCCACAGCAGCAGAACAAGTGCCTCCTGGACTGTTACGGCAGACCAGAACGTTTCTG GCCTGGGTTTTGTGGTCATCTATTCTAGCAGGGAACACTAAAGGTGAAAATAAAAGATTTTCTATTATG GAAATAAAGAGTTGGCATGAAAGTGGCTACTGAAAA <b>ACGCGT</b> AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-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:	<u><a href="#">NM_000181.4</a></u>



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**Summary:** This gene encodes a hydrolase that degrades glycosaminoglycans, including heparan sulfate, dermatan sulfate, and chondroitin-4,6-sulfate. The enzyme forms a homotetramer that is localized to the lysosome. Mutations in this gene result in mucopolysaccharidosis type VII. Alternative splicing results in multiple transcript variants. There are many pseudogenes of this locus in the human genome.[provided by RefSeq, May 2014]

**Locus ID:** 2990

**MW:** 9.2