

# Recombinant Full Length Human GUSB Protein, GST-tagged

Cat. No. GUSB-3357HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human GUSB full-length ORF ( AAH14142.1, 22 a.a. - 651 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	651 amino acids
<b>Description</b>	The GUSB gene encodes beta-glucuronidase (EC 3.2.1.31), a lysosomal hydrolase involved in the stepwise degradation of glucuronic acid-containing glycosaminoglycans (Shipley et al., 1993 [PubMed 7680524]). It is a tetrameric glycoprotein composed of identical subunits (Oshima et al., 1987 [PubMed 3468507]). The GUSB gene is mutated in mucopolysaccharidosis type VII (MPS7; MIM 253220).[supplied by OMIM
<b>Molecular Mass</b>	94.82 kDa
<b>AA Sequence</b>	GLQGGMLYPQESPSRECKELDGLWSFRADFSNRRRGFEEQWYRRPLWESGPTV DMPVPSSFNDISQDWRLRHVFGVWVYEREVILPERWTQDLRTRVVLRIGSAHSYAI VWVNGVDLTLEHEGGYLPFEADISNLVQVGPLPSRLRITIAINNTLPTTLPPGTIQYLT DTSKYPKGYFVQNTYFDFFNAYAGLQRSVLLYTTPTTYIDDITVTTTSVEQDSGLVNYQI SVKGSNLFKLEVRLLDAENKVVANGTGTQGQLKVPVSLWVWVYLMHERPAYLYSL EVQLTAQTSGLPVSDFYTLVPGIRTVAVTKSQFLINGKPFYFHGVNKHEDADIRGKGF DWPLLVKDFNLLRWLGANAFRTSHYPYAEVVMQMCDRYGIVVIDECPGVGLALPQF

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FNNVSLHHHMQVMEEVRRDKNHPAVVMWSVANEPASHLESAGYYLKMVIAHTKS  
 LDPSRPVTFVSNNSNYAADKGAPYVDVICLNSYYSWYHDYGHLELIQLQLATQFENW  
 YKKYQKPIIQSEYGAETIAGFHQDPPLMFTEEYQKSLLEQYHLGLDQKRRKYVVGELI  
 WNFADFMTEQSPTRVLGNKKGIFTRQRQPKSAAFLLRERYWKIANETRYPHSVAKS  
 QCLENSLFT

**Applications**  
 Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes** Best use within three months from the date of receipt of this protein.

**Storage** Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** [GUSB glucuronidase, beta \[ Homo sapiens \]](#)

**Official Symbol** [GUSB](#)

**Synonyms** GUSB; glucuronidase, beta; beta-glucuronidase; beta-G1; beta-D-glucuronidase; BG; MPS7; FLJ39445;

**Gene ID** [2990](#)

**mRNA Refseq** [NM\\_000181](#)

**Protein Refseq** [NP\\_000172](#)

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<b>MIM</b>	611499
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<b>UniProt ID</b>	P08236
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