

Recombinant Full Length Human GUSB Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human GUSB full-length ORF (AAH14142.1, 22 a.a. - 651 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	651 amino acids
Description	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
Molecular Mass	94.82 kDa
AA Sequence	GLQGGMLYPQESPSRECKELDGLWSFRADFSDNRRRGFEEQWYRRPLWESGPTV DMPVPSSFNDISQDWRLRHFGVWVWYEREVILPERWTQDLRTRVVLRIKSAHSYAI VWVNGVDLTLEHEGGYLPFEADISNLVQVGPLPSRLRITIAINNTLTPTTLPPTIQYLT DTSKYPKGYFVQNTYFDFFNAGLQRSVLLYTTPTTYIDDTVTTSVEQDSGLVNYQI SVKGSNLFKLEVRLLDAENKVVANGTGTQGGQLKVPVSLWVWVYLMHERPAYLYSL EVQLTAQTSLGPVSDFYTLPGVIRTVAVTKSQFLINGKPFYFHGVNKHEDADIRGKGF DWPLLVKDFNLLRWLGANAFRTSHYPYAEVVMQCDRYGIVVIDECPGVGLALPQF

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

FNNVSLHHMQVMEEVVRDKNHPAVVMWSVANEPASHLESAGYYLKMVIAHTKS
LDPSRPVTFVSNSNYAADKGAPYVDVICLSYYSWYHDYGHLELIQLQLATQFENW
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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MIM	611499
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UniProt ID	P08236
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