

Recombinant Human GUSB protein, His & T7-tagged

Cat. No. GUSB-6928H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GUSB aa. (Glu451~Leu649 (Accession # P08236)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Glu451~Leu649
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.1kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 8.7.

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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

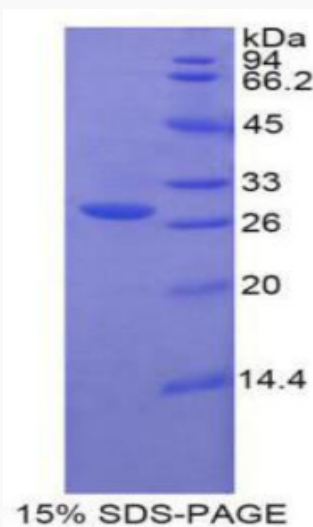
Gene Name	GUSB glucuronidase beta [Homo sapiens (human)]
Official Symbol	GUSB
Synonyms	GUSB; glucuronidase beta; BG; MPS7; beta-glucuronidase; beta-D-glucuronidase; beta-G1
Gene ID	2990
mRNA Refseq	NM_000181.3
Protein Refseq	NP_000172.2
UniProt ID	P08236

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SDS-PAGE



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