

Recombinant Human GUSB

Cat. No. GUSB-27205TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human beta glucuronidase with N terminal proprietary tag, 95.41kDa.
Species	Human
Source	Wheat Germ
ProteinLength	630 amino acids
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. There are many pseudogenes of this locus in the human genome.
Molecular Weight	95.410kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Uniprot ID	P08236
Chromosome Location	7q11.21
Pathway	Ascorbate biosynthesis, animals, glucose-1P => ascorbate, organism-specific biosystem; Ascorbate biosynthesis, animals, glucose-1P => ascorbate, conserved biosystem; Chondroitin sulfate degradation, organism-specific biosystem;
Function	beta-glucuronidase activity; cation binding; sugar binding;

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