

Glucuronidase Beta Human Recombinant

Item Number	rAP-1376
Synonyms	GUSB, BG, MPS7, Glucuronidase Beta, EC 3.2.1.31, Beta-G1, Beta-D-Glucuronidase, Glucuronidase, Beta, Beta-Glucuronidasem.
Description	GUSB Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 635 amino acids (23-651a.a) and having a molecular mass of 73.4kDa (Molecular size on SDS-PAGE will appear at approximately 70-100kDa). GUSB is fused to a 6 amino acid His-tag at C-terminus
Uniprot Accession Number	P08236
Amino Acid Sequence	LQGGMLYPQE SPSRECKELD GLWSFRADFS DNRRRGFEEQ WYRRPLWESG PTVDMVPVSS FNDISQDWRL RHFVGWVWYE REVILPERWT QDLRTRVVL R IGSAHSYAIV WYNGVDTLEH EGGYLPFEAD ISNLVQVGPL PSRLRITIAI NNTLTPTTLP PGTIQYLTD T SKYPKGYFVQ NTYFDFFNYA GLQRSVLLYT TPTTYIDDI T VTTSVEQDSG LVNYQISVKG SNLFKLEVRL LDAENKVVAN GTGTQGQLKV PGVSLWWPYL MHERPAYLYS LEVQLTAQTS LGPVSDFYTL PVGIRTVAVT KSQLINGKP FYFHGVNKHE DADIRGKGFD WPLLVKDFNL LRWLGA-
Source	Sf9, Baculovirus cells.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	GUSB protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Specific activity is > 1600 pmol/min/ug and is defined as the amount of enzyme that hydrolyze 1.0 pmole of 4-Methylumbelliferone to 4-Methylum-belliferyl-β-D-glucosiduronic acid per minute at 37C and pH6.0.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**