

RPPB1780

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## Product Information    Protein Information

**Product SKU:**

RPPB1780

**Accession:**

P08236

**Host:**

Sf9, Baculovirus cells.

**Protein 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 & purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered colorless solution.

**Synonyms:**

GUSB, BG, MPS7, Glucuronidase Beta, EC 3.2.1.31, Beta-G1, Beta-D-Glucuronidase, Glucuronidase, Beta, Beta-Glucuronidasem.

**Formulation:**

GUSB protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

**Purity:**

Greater than 90.0% as determined by SDS-PAGE.

**Stability:**

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.

**Amino Acid Sequence:**

LQGGMLYPQE SPSRECKELD GLWSFRADFS DNRRRGFEEQ WYRRPLWESG PTVDMVPVSS FNDISQDWRL  
RHFVGVVWYWE REVILPERWT QDLRTRVVLV IGSASYSIAIV WVNVDVDTLEH EGGYLPFEAD ISNLVQVGPL  
PSRLRITIAI NNTLTPTTLP PGTIQYLTDI SKYPKGYFVQ NTYFDFFNYA GLQRSVLLYT TPTTYIDDIT  
VTTSVEQDSG LVNYQISVKG SNLFKLEVL LDAENKVVAN GTGTQGQLKV PGVSLWVWVYL MHERPAYLYS  
LEVQLTAQTS LGPVSDFYTL PVGIRTVAVT KSQFLINGKP FYFHGVNKHE DADIRGKGF D WPLLVKDFNL  
LRWLGANAFR TSHYPYAEV MQMCDRYGIV VIDECPGVGL ALPQFFNNVS LHHHMVMEE VVRRDKNHPA  
VVMWSVANEP ASHLESAGYY LKMVIAHTKS LDPSRPVTFV SNSNYAADKG APYVDVICLN SYYSWYHDYG  
HLELIQLQLA TQFENWYKKY QKPIIQSEYG AETIAGFHQD PPLMFTEEQ KSLLEQYHLG LDQKRRKYV  
GELIWNFADF MTEQSPTRVL GNKKGIFTRQ RQPKSAAFL RERYWKIANE TRYPHSVAKS QCLENSLFTH  
HHHHH.

**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.