Product Name: Recombinant E.coli GUSB (N-6His)
Catalog #: PEV0150

Summary

Name	Beta-Glucuronidase/Uida/Beta-Gus
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant E.coli Beta-Glucuronidase is produced by our E.coli expression system and the target gene encoding Met1-Gln603 is expressed with a 6His tag at the N-terminus.
Accession #	P05804
Host	E.coli
Species	E.coli
Predicted Molecular Mass	69.9 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Hepes-NaOH, 12% Trehalose, 4% Mannitol, 0.05% Tween80, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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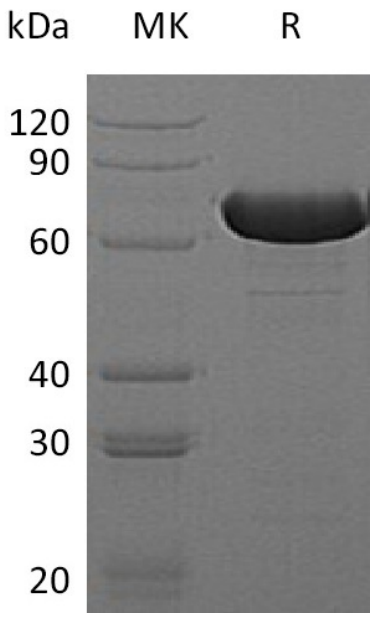

Alternative Names

Beta-glucuronidase;uidA;GUS

Background

Beta-D-glucuronidase from E.coli is a /xa0highly specific enzyme in hydrolyzing glucuronides. Beta-D-glucuronidase (GLUase) activity can be measured as the rate of production of fluorescent methylumbelliferone (MU), resulting from the hydrolysis of the substrate 4-methylumbelliferyl-β-d-glucuronide (MUGLU), which is an effective and rapid method for detection and verification of E. coli in food, water, and environmental samples. High purity recombinant beta-Glucuronidase is used in research, biochemical enzyme assays and in vitro diagnostic analysis, detecting a wide range of drugs such as opioids, benzodiazepines, steroids, cannabinoids, and others.

Note

For Research Use Only , Not for Diagnostic Use.