

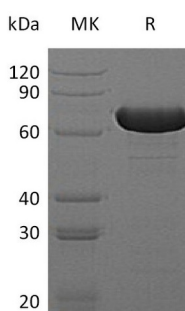
**Product Name: Recombinant E.coli GUSB (N-6His)**  
**Catalog #: PEV0150**



## Summary

<b>Name</b>	Beta-Glucuronidase/Uida/Beta-Gus
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	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.
<b>Accession #</b>	P05804
<b>Host</b>	E.coli
<b>Species</b>	E.coli
<b>Predicted Molecular Mass</b>	69.9 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of 20mM Hepes-NaOH, 12% Trehalose, 4% Mannitol, 0.05% Tween80, pH 8.0.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	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.
<b>Reconstitution</b>	

## SDS-PAGE image



## Background

**Alternative Names** Beta-glucuronidase;uidA;GUS

**Background** Beta-D-glucuronidase from E.coli is a highly specific enzyme in hydrolyzing glucuronides. Beta-D-glucuronidase (GLUase) activity can be measured as the rate

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of production of fluorescent methylumbelliferone (MU), resulting from the hydrolysis of the substrate 4-methylumbelliferyl- $\beta$ -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.