Recombinant E.coli Beta-Glucuronidase/Uida/Beta-Gus **Protein (His Tag)**

Catalog Number: PKSQ050059

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms Beta-glucuronidase;uidA;GUS

Species E.coli **Expression Host**

Met1-Gln603 **Sequence** Accession P05804 69.9 kDa Calculated Molecular Weight Observed molecular weight 72 kDa

Tag N-His

Properties

Purity > 95 % as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU per µg of the protein as determined by the LAL method.

Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles. **Storage Shipping**

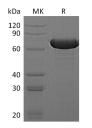
This product is provided as liquid. It is shipped at frozen temperature with blue

ice/gel packs. Upon receipt, store it immediately at < - 20°C.

Formulation Supplied as a 0.2 µm filtered solution of PBS, pH7.4.

Reconstitution Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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 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.

For Research Use Only

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