

## 32-8369: Recombinant E. coli beta-Glucuronidase/ beta-GUS/GUSB (N-6His)(Discontinued)

**Gene :** uidA  
**Gene ID :** 946149  
**Uniprot ID :** P05804

### Description

Source: E.coli.  
MW :69.9kD.

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. 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- 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of PBS,pH7.4.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MNHKVHHHHHMLRPVETPTREIKKLDGLWAFSLDRENCGIDQRWWESALQESRAIAVPGSFNDQFADADIR  
NYAGNVWYQREVFIPKGWAGQRIVLRFDAVTHYGKVVVNNQEVMEHQGGYTPFEADVTPYIAGKSVRITVC  
VNNELNWQTIPPGMVITDENGKKKQSYFHDFNYAGIHRVSMVLYTTPNTWVDDITVTHVAQDCNHASVDWQ  
VVANGDVSVELRDADQQVWATGQGTSGTLQVVNPHLWQPGEGYLYELCVTAKSQTECDIYPLRVGIRSVAVK  
GEQFLINHKKPFYFTGFGRHEDADLRGKGFDMVLMVHDHALMDWIGANSYRTSHYPYAEEMLDWADEHGIVVI  
DETAAVGFNLSLGIGFEAGNPKELYSEEAVNGETQQAHLQAIKELIARDKNHPSVMMWSIANEPDTRPQGARE  
YFAPLAEATRKLDPTRPITCVNVMFCDAHTDTISDLFDVLCNRYYGWYVQSGDLETAEKVLEKELLAWQEKLH  
QPIIITEYGVDTLAGLHSMYTDMWSEEQCAWLDMYHRVFDVRSVAVVGEQVWNFADFATSQGILRVGGNKKG  
IFTRDRKPKSAAFLQKRWTGMNFGEKPQQGGKQ

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.