

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.