

## Recombinant E.coli GUSB

Catalog No: CH85

Description 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. One unit will liberate 1.0 µg

of phenolphthalein from phenolphthalein glucuronide per hour at 37°C at pH 6.8.

Source E. coli

Alternative name Beta-glucuronidase, uidA, GUS

Accession No. P05804

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

Quality Control Purity: Greater than 90% as determined by reducing SDS-PAGE.

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

**Shipping** The product is shipped on dry ice/polar packs.

Upon receipt, store it immediately at the temperature listed below.

Storage Store at < -20°C, stable for 6 months after receipt.

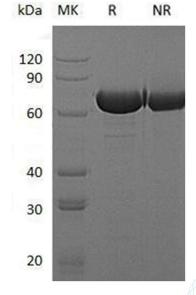
Please minimize freeze-thaw cycles.

Amino Acid Sequence MNHKVHHHHHHMLRPVETPTREIKKLDGLWAFSLDRENCGIDQRWWESALQESRAIAVPGSFNDQFA DADIRNYAGNVWYQREVFIPKGWAGQRIVLRFDAVTHYGKVWVNNQEVMEHQGGYTPFEADVTPYVI AGKSVRITVCVNNELNWQTIPPGMVITDENGKKKQSYFHDFFNYAGIHRSVMLYTTPNTWVDDITVVTH VAQDCNHASVDWQVVANGDVSVELRDADQQVVATGQGTSGTLQVVNPHLWQPGEGYLYELCVTAKS QTECDIYPLRVGIRSVAVKGEQFLINHKPFYFTGFGRHEDADLRGKGFDNVLMVHDHALMDWIGANSY RTSHYPYAEEMLDWADEHGIVVIDETAAVGFNLSLGIGFEAGNKPKELYSEEAVNGETQQAHLQAIKELI ARDKNHPSVVMWSIANEPDTRPQGAREYFAPLAEATRKLDPTRPITCVNVMFCDAHTDTISDLFDVLCL NRYYGWYVQSGDLETAEKVLEKELLAWQEKLHQPIIITEYGVDTLAGLHSMYTDMWSEEYQCAWLDMY HRVFDRVSAVVGEQVWNFADFATSQGILRVGGNKKGIFTRDRKPKSAAFLLQKRWTGMNFGEKPQQG GKQ

## **Background**

Recombinant  $\beta$ -Glucuronidase from E. coli has been used for the enzymatic hydrolysis of  $\beta$ -glucuronides in urineand other fluids. It has also been used to characterize the adhesion of fungal cells via cell surface glycoproteins. It does not hydrolyze  $\alpha$ -glucuronides or  $\beta$ -glucosides. The recombinant enzyme from E. coli has a high rate ofhydrolytic activity and it is essentially free of sulfatase activity.

SDS-Page



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