Product Name: Recombinant Human GUSB (C-6His)
Catalog #: PHH2466

Summary

Name	GUSB
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Beta-glucuronidase is produced by our Mammalian expression system and the target gene encoding Leu23-Thr651 is expressed with a 6His tag at C-terminus.
Accession #	P08236
Host	Human Cells
Species	Human
Predicted Molecular Mass	73.6 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	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.
Reconstitution	

SDS-PAGE image

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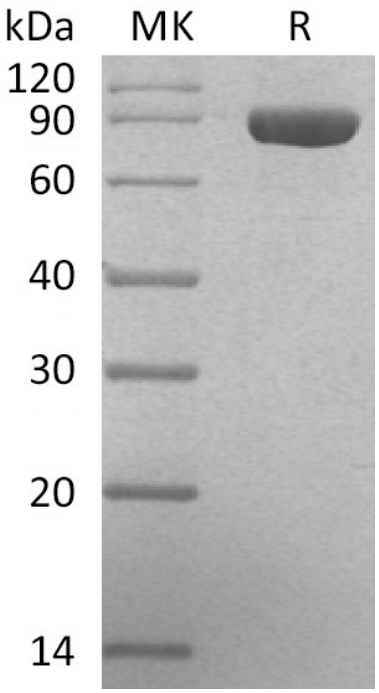

Alternative Names

Beta-glucuronidase; GUSB; Beta-G1

Background

Beta-glucoronidase is a lysosomal enzyme catylysing the decomposition of beta-D-glucoronides-compounds arising as a result of the combination of beta-D-glucoronic acid and a number of compounds both exo- and endogenous, containing hydroxylic, carboxylic, amine, imine or thiol groups. Beta-glucuronidase (βGLU)-a lysosomal acid hydrolase responsible for the catalytic deconjugation of β-D-glucuronides has emerged as a viable molecular target for several therapeutic applications. The enzymes activity level in body fluids is also deemed a potential biomarker for the diagnosis of some pathological conditions. The activity of beta-glucoronidase increases in many pathological conditions: liver infammations, cirrhosis of the liver, inflammations of other organs, cholestatic jaundice, tuberculosis, sarcoidosis and also in neoplasms. And many authors point to beta-glucoronidase as a sensitive indicator signalling cell damage.

Note

For Research Use Only , Not for Diagnostic Use.