

Recombinant Human GBA3 / CBGL1 Protein (His tag)

Cat.NO.: TP07352

3th Edition

Synonyms:CBG;CBGL1;GBA3;GLUC;KLrP;MGC104276;MGC126878

Description:"Cytosolic beta-glucosidase, also known as Cytosolic beta-glucosidase-like protein 1, GBA3, CBG and CBGL1 is a cytoplasm protein which belongs to the glycosyl hydrolase 1 family and Klotho subfamily. GBA3 / CBGL1 is a glycosidase probably involved in the intestinal absorption and metabolism of dietary flavonoid glycosides. GBA3 / CBGL1 is present in small intestine (at protein level). GBA3 / CBGL1 is expressed in liver, small intestine, colon, spleen and kidney. GBA3 / CBGL1 is down-regulated in renal cell carcinomas and hepatocellular carcinomas. GBA3 / CBGL1 is able to hydrolyze a broad variety of glycosides including phytoestrogens, flavonols, flavones, flavanones and cyanogens. GBA3 / CBGL1 possesses beta-glycosylceramidase activity and may be involved in a nonlysosomal catabolic pathway of glycosylceramide.

Form:PBS

Molecular Weight:55 kDa

Sequences:Met 1-Leu 469

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.