

Recombinant Human GBA3, His-tagged

Cat. No. GBA3-13175H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GBA3 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-162a.a.
Description	Glutathione S-transferases (GSTs) are a family of enzymes that play an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. Based on their biochemical, immunologic, and structural properties, the soluble GSTs are categorized into 4 main classes: alpha, mu, pi, and theta. This GST family member is a polymorphic gene encoding active, functionally different GSTP1 variant proteins that are thought to function in xenobiotic metabolism and play a role in susceptibility to cancer, and other diseases.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

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Gene Name	GBA3 glucosidase, beta, acid 3 (cytosolic) [Homo sapiens]
Official Symbol	GBA3
Synonyms	GBA3; glucosidase, beta, acid 3 (cytosolic); cytosolic beta-glucosidase; GLUC; klotho related protein; KLRP; klotho-related protein; cytosolic beta-glucosidase-like protein 1; CBGL1; MGC104276; MGC126878;
Gene ID	57733
mRNA Refseq	NM_001128432
Protein Refseq	NP_001121904
MIM	606619
UniProt ID	Q9H227
Chromosome Location	4p15.31
Pathway	Cyanoamino acid metabolism, organism-specific biosystem; Cyanoamino acid metabolism, conserved biosystem; Glycosphingolipid metabolism, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Sphingolipid metabolism, organism-specific biosystem;
Function	beta-galactosidase activity; beta-glucosidase activity; cation binding; glycosylceramidase activity;