

Recombinant Human GLB1 Protein (Arg68-Thr219), His tagged

Cat. No. GLB1-2399H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GLB1 (Arg68-Thr219) protein fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Arg68-Thr219
Description	Isoform 1: Cleaves beta-linked terminal galactosyl residues from gangliosides, glycoproteins, and glycosaminoglycans. Isoform 2: Has no beta-galactosidase catalytic activity, but plays functional roles in the formation of extracellular elastic fibers (elastogenesis) and in the development of connective tissue. Seems to be identical to the elastin-binding protein (EBP), a major component of the non-integrin cell surface receptor expressed on fibroblasts, smooth muscle cells, chondroblasts, leukocytes, and certain cancer cell types. In elastin producing cells, associates with tropoelastin intracellularly and functions as a recycling molecular chaperone which facilitates the secretions of tropoelastin and its assembly into elastic fibers.
Molecular Mass	19.38 kDa
Purity	>90 % as determined by SDS-PAGE.
Notes	For research use only.

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Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	GLB1 galactosidase, beta 1 [Homo sapiens (human)]
Official Symbol	GLB1
Synonyms	GLB1; galactosidase, beta 1; elastin receptor 1 (67kD), elastin receptor 1, 67kDa, ELNR1; beta-galactosidase; EBP; lactase; acid beta-galactosidase; elastin receptor 1, 67kDa; ELNR1; MPS4B;
Gene ID	2720
mRNA Refseq	NM_000404
Protein Refseq	NP_000395
MIM	611458
UniProt ID	P16278

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