

Recombinant Human GBE1 Protein, MYC/DDK-tagged

Cat. No. GBE1-1322H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human GBE1 protein, fused to MYC/DDK tag at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a glycogen branching enzyme that catalyzes the transfer of alpha-1,4-linked glucosyl units from the outer end of a glycogen chain to an alpha-1,6 position on the same or a neighboring glycogen chain. Branching of the chains is essential to increase the solubility of the glycogen molecule and, consequently, in reducing the osmotic pressure within cells. Highest level of this enzyme are found in liver and muscle. Mutations in this gene are associated with glycogen storage disease IV (also known as Andersen's disease). [provided by RefSeq, Jul 2008]
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Molecular Mass	80.3 kDa
Purity	>50 ug/mL as determined by microplate BCA method
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	GBE1 glucan (1,4-alpha-), branching enzyme 1 [Homo sapiens]
Official Symbol	GBE1
Synonyms	APBD; GBE; GSD4
Gene ID	2632
mRNA Refseq	NM_000158
Protein Refseq	NP_000149
MIM	607839
UniProt ID	Q04446

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