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Product datasheet for TP720304M

Galactosidase alpha (GLA) (NM_000169) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human galactosidase, alpha (GLA)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Leu32-Leu429
Tag:	C-His
Predicted MW:	46.4 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	< 0.1 EU per μg protein as determined by LAL test
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_000160
Locus ID:	2717
UniProt ID:	P06280, Q53Y83
Cytogenetics:	Xq22.1
Synonyms:	GALA
Summary:	This gene encodes a homodimeric glycoprotein that hydrolyses the terminal alpha-galactosyl moieties from glycolipids and glycoproteins. This enzyme predominantly hydrolyzes ceramide trihexoside, and it can catalyze the hydrolysis of melibiose into galactose and glucose. A variety of mutations in this gene affect the synthesis, processing, and stability of this enzyme, which causes Fabry disease, a rare lysosomal storage disorder that results from a failure to catabolize alpha-D-galactosyl glycolipid moieties. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome

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Protein Pathways: Galactose metabolism, Glycerolipid metabolism, Glycosphingolipid biosynthesis - globo series, Lysosome, Sphingolipid metabolism

Product images: