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DATA SHEET

Alpha-Galactosidase Human Recombinant

Item Number	rAP-1121
Synonyms	Alpha-galactosidase A, Alpha-D-galactosidase A, Alpha-D-galactoside galactohydrolase, Melibiase, Agalsidase, GLA, GALA.
Description	GLA produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 406 amino acids (32-429 a.a.) and having a molecular mass of 46.4kDa (Migrates at 40-57kDa on SDS-PAGE under reducing conditions).GLA is expressed with an 8 amino acid His tag at C-Terminus and purified by proprie-
Uniprot Accesion Number	P06280
Amino Acid Sequence	LDNGLARTPT MGWLHWERFM CNLDCQEEPD SCISEKLFME MAELMVSEGW KDAGYEYLCI DDCWMAPQRD SEGRLQADPQ RFPHGIRQLA NYVHSKGLKL GIYADVGNKT CAGFPGS-FGY YDIDAQTFAD WGVDLLKFDG CYCDSLENLA DGYKHMSLAL NRTGRSIVYS CEWPLYMWPF QKPNY-TEIRQ YCNHWRNFAD IDDSWKSIKS ILDWTSFNQE RIVDVAGPGG WNDPDMLVIG NFGLSWNQQV TQMAL-WAIMA APLFMSNDLR HISPQAKALL QDKDVIAINQ DPLGKQGYQL RQGDNFEVWE RPLSGLAWAV
Source	Sf9, Baculovirus cells.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	GLA protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only