

Recombinant Human LALBA Protein, His-tagged

Cat. No. LALBA-306H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LALBA fused with His tag at C-terminal was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes alpha-lactalbumin, a principal protein of milk. Alpha-lactalbumin forms the regulatory subunit of the lactose synthase (LS) heterodimer and beta 1,4-galactosyltransferase (beta4Gal-T1) forms the catalytic component. Together, these proteins enable LS to produce lactose by transferring galactose moieties to glucose. As a monomer, alpha-lactalbumin strongly binds calcium and zinc ions and may possess bactericidal or antitumor activity. A folding variant of alpha-lactalbumin, called HAMLET, likely induces apoptosis in tumor and immature cells.
Form	Lyophilized from a 0.2 M filtered solution of 20mM Tris, 150mM NaCl, pH 8.0
Molecular Mass	15.1kD
AA Sequence	KQFTKCELSQLLKDIDGYGGIALPELICTMFHTSGYDTQAIVENNESTEYGLFQISNKL WCKSSQVPQSRNICDISCDKFLDDITDDIMCAKKILDIKGIDYWLAHKALCTEKLEQ WLCEKLVDHHHHHH*
Endotoxin	Endotoxin level is <0.1 ng/g of protein (<1EU/g).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
Concentration	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
GENE INFORMATION	
Gene Name	LALBA lactalbumin, alpha- [Homo sapiens]
Official Symbol	LALBA
Synonyms	LALBA; lactalbumin, alpha-; alpha-lactalbumin; LYZL7; lysozyme-like protein 7; lactose synthase B protein; MGC138521; MGC138523;
Gene ID	3906
mRNA Refseq	NM_002289
Protein Refseq	NP_002280
MIM	149750
UniProt ID	P00709