

## Recombinant Human LALBA Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human LALBA fused with His tag at C-terminal was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>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.</p>
<b>Form</b>	Lyophilized from a 0.2 M filtered solution of 20mM Tris, 150mM NaCl, pH 8.0
<b>Molecular Mass</b>	15.1kD
<b>AA Sequence</b>	<p>KQFTKCELSQLLKDIDGYGGIALPELICTMFHTSGYDTQAIVENNESTEYGLFQISNKL  WCKSSQVPQSRNICDISCDKFLDDDDITDDIMCAKKILDIKGIDYWLAAHKALCTEKLEQ  WLCEKLVDDHHHHHH*</p>
<b>Endotoxin</b>	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](mailto: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 µg/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

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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