

Native Human Lactalbumin

Cat. No. LALBA-8173H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Prepared from Human Milk shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1, 2 by FDA required tests.
Species	Human
Source	Human Milk
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 de-ionized H2O
Molecular Mass	14000
Purity	Greater than 95% by SDS-PAGE
Storage	-20°C

GENE INFORMATION

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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
Chromosome Location	12q13
Pathway	Galactose metabolism, organism-specific biosystem; Galactose metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem;
Function	calcium ion binding; lactose synthase activity;