

PRODUCT INFORMATION

| | |
|---|---|
| Target | LALBA |
| Synonyms | LYZG |
| Description | Recombinant human LALBA protein with C-terminal human Fc tag |
| Delivery | Under development |
| Uniprot ID | P00709 |
| Expression Host | HEK293 |
| Tag | C-Human Fc Tag |
| Molecular Characterization | LALBA (Lys20-Leu142) hFc(Glu99-ALA330) |
| Molecular Weight | The protein has a predicted molecular mass of 39.05 kDa after removal of the signal peptide. |
| Purity | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| Storage&Shipping | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| Background | 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. [provided by RefSeq, Jul 2008] |
| Usage | Research use only |
| Conjugate | Unconjugated |

