

Recombinant Rat aLA, His-tagged, T7 tagged

Cat. No. aLA-3370R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alpha-Lactalbumin (aLA)
Species	Rat
Source	E.coli
ProteinLength	159
Description	regulatory subunit of lactose synthase found in milk; involved in altering substrate specificity of galactosyltransferase .
Form	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Molecular Mass	19.3kDa
Endotoxin	<1.0eu per 1ug (determined by the lal</1.0eu
Purity	>95%
Applications	SDS-PAGE, Western Blot (WB), ELISA (EIA), Immunoprecipitation (IP)
Notes	Small volumes of aLA recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice.

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

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

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Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Warning	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name	Lalba lactalbumin, alpha [Rattus norvegicus]
Official Symbol	aLA
Synonyms	Lalba ; Lalba ;
Gene ID	24528
mRNA Refseq	NM_012594
Protein Refseq	NP_036726
UniProt ID	P00714
Chromosome Location	7q36

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Pathway

Galactose metabolism, organism-specific biosystem; Galactose metabolism, conserved biosystem

Function

calcium ion binding; lactose synthase activity

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