

Recombinant Bovine Serum Albumin/BSA Protein, Animal Component-Free

Catalog Number: EXRP168-ACF

For Research Use Only. Not Intended for Diagnostic or Therapeutic Use.

EXREprotein™

More information: marketing@exreprotein.com

Product Details

Biological Activity The carrier effect of Recombinant Bovine Serum Albumin/BSA was determined by enhancement of cell proliferation using TF-1 human cells. Stout, *et al.* (2022) Commun Biol **5**:466. Cell proliferation in TF-1 human cells was induced in a dose-dependent manner by Recombinant Human IL-3 ([Catalog # EXRP037](#)) and demonstrated >25% enhancement in the presence of rBSA.

Purity >98% by SDS-PAGE and quantitative densitometry by Coomassie® Blue staining

Endotoxin <0.01 EU per 1 µg (<10 EU/mg) of the protein as determined by the LAL method

Source Expressed in *E. coli* using an animal component-free system, with no Fetal Bovine Serum (FBS).

Accession Number Based on A0A140T897 with AI design

Sequence Asp25-Ala607, using an AI optimized sequence

Molecular Weight 66.5 kDa (monomer, predicted)

Formulation Lyophilized from sterile PBS with Trehalose, pH 7.4

Storage and Preparation

Shipping Shipped at ambient temperature.

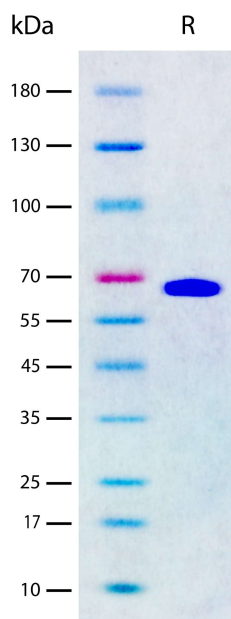
Stability and Storage

- 12 months from date of receipt at -20°C to -70°C, **lyophilized powder**.
- 3 months at -20°C to -70°C under sterile conditions **after reconstitution**.

Avoid repeated freeze-thaw cycles.

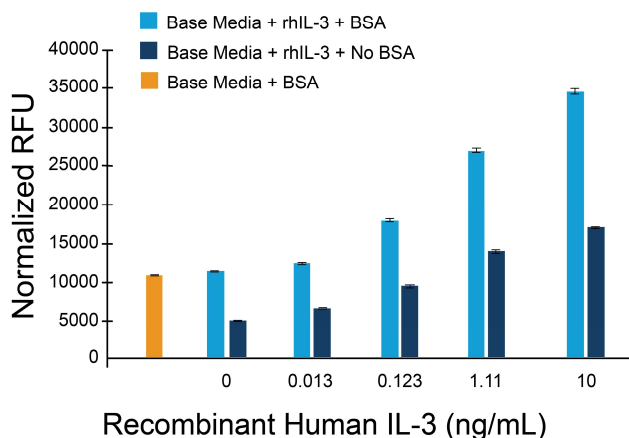
Reconstitution Reconstitute at 1 mg/mL in sterile PBS.

Data Images



Recombinant Bovine Serum Albumin/BSA Protein (2 µg/lane) on SDS-PAGE under reducing (R) conditions. The gel was stained using Coomassie® Blue showing a single band at 67 kDa and purity greater than 98%.

Carrier Effect of Bovine Serum Albumin



Carrier effect of rBSA is observed in the cell proliferation in TF-1 human cells treated with Recombinant Human IL-3 ([Catalog # EXRP037](#)) in the presence of 25 µg/mL rBSA. The carrier effect due to rBSA does not alter the ED₅₀ in this assay.