

Recombinant Human IFN α /ALB therapeutic protein

Cat. No. IFN α &ALB-P021H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IFN- α &ALB, Fc-tagged therapeutic protein is a recombinant fusion protein drug consisting of interferon alpha (IFN- α) linked to human albumin. Conjugation to human albumin prolongs the half-life of the IFN- α to about 6 days, allowing to dose it every two to four weeks.
Species	Human
Description	This gene encodes the most abundant protein in human blood. This protein functions in the regulation of blood plasma colloid osmotic pressure and acts as a carrier protein for a wide range of endogenous molecules including hormones, fatty acids, and metabolites, as well as exogenous drugs. Additionally, this protein exhibits an esterase-like activity with broad substrate specificity. The encoded preproprotein is proteolytically processed to generate the mature protein. A peptide derived from this protein, EPI-X4, is an endogenous inhibitor of the CXCR4 chemokine receptor.
Molecular Mass	85.7 kDa
Endotoxin	< 0.1 EU per μ g of the protein
Purity	>95%

GENE INFORMATION

Gene Name	ALB albumin [Homo sapiens]
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Official Symbol	ALB
Synonyms	ALB; albumin; serum albumin; albumin (32 AA); albumin (AA 34); growth-inhibiting protein 20; cell growth inhibiting protein 42; PRO0883; PRO0903; PRO1341; DKFZp779N1935;
Gene ID	213
mRNA Refseq	NM_000477
Protein Refseq	NP_000468
UniProt ID	P02768
Chromosome Location	4q13.3
Pathway	Bile acid and bile salt metabolism, organism-specific biosystem; FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem; HDL-mediated lipid transport, organism-specific biosystem; Hemostasis, organism-specific biosystem; Lipid digestion, mobilization, and transport, organism-specific biosystem; Lipoprotein metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem;
Function	DNA binding; antioxidant activity; cell surface binding; chaperone binding; copper ion binding; drug binding; drug binding; enzyme binding; fatty acid binding; fatty acid binding; metal ion binding; contributes_to oxygen binding; protein binding; pyridoxal phosphate binding; toxin binding; zinc ion binding;