

Native Human ALB therapeutic protein (Albumin iodinated I-131 serum)

Cat. No. ALB-P042H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A diagnostic radiopharmaceutical containing iodinated I 131 albumin for intravenous imaging. Following intravenous injection, radioiodinated albumin human is uniformly distributed throughout the intravascular pool within 10 minutes; extravascular distribution takes place more slowly (2 days). Indicated for use in determinations of total blood and plasma volumes, cardiac output, cardiac and pulmonary blood volumes and circulation times
Species	Human
Description	Regulates the colloidal osmotic pressure of blood. It is used to increase the circulating plasma volume, thereby reducing hemoconcentration and blood viscosity. Also used as a transport protein that binds naturally occurring, therapeutic and toxic materials in circulation.
Molecular Mass	66.5 kDa
AA Sequence	MKWVTFISLLFLFSSAYS SRGVFRRDAHKSEVAHRFKDLGEENFKALVLIAFAQYLQQ CPFEDHVKLVNEVT EFAKTCVADESAENCDKSLHTLFGDKLCTVATLRETYGEMAD CCAKQEPERNECFLQHKDDNPNLPRLVRP EVDVMCTAFHDNEETFLKKLYEIAARR HPYFYAPELLFFAKRYKAAFTECCQAADKAAACLLPKLDEL RDEG KASSAKQGLKCA SLQKFGERAFAKAWAVARLSQRFPKAEFAEVSKLVTDLT KVHTECCHGDLLECADDR ADL AKYICENQDSISSKLKECCEKPLLEKSHCIAEVENDEMPADLPSLAADFVGSKD VCKNYAEAKDVFLGMFL YEYARRHPDYSVVL LRLAKTYETTLEKCCAAADPHECY

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AKVFDEFKPLVEEPQNLIKQNCELFEQL GEYKFQNALLVRYTKKVPQVSTPTLVEVS
 RNLGKVGSKCCKHPEAKRMPCAEDCLSVFLNQLCVLHEKTPV SDRVTKCCTESLV
 NGRPCFSALEVDETYVPKEFNAETFTFHADICTLSEKERQIKKQTALVELVKHKPKAT
 KEQLKAVMDDFAAFVEKCKADDKETCFAEEGKKLV

Endotoxin	< 0.1 EU per µg of the protein
Purity	>95%
Alias	ALB; PRO0883; PRO0903; Albumin iodinated I-131 serum

GENE INFORMATION

Gene Name	ALB albumin [Homo sapiens]
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;

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