

Native Human SERPINA7

Cat. No. SERPINA7-30623TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full length native Human Thyroxine Binding Globulin amino acids 21-415, purified from Human plasma. Predicted MWt 44kDa,
Species	Human
ProteinLength	395 amino acids
Description	There are three proteins including thyroxine-binding globulin (TBG), transthyretin and albumin responsible for carrying the thyroid hormones thyroxine (T4) and 3,5,3 - triiodothyronine (T3) in the bloodstream. This gene encodes the major thyroid hormone transport protein, TBG, in serum. It belongs to the serpin family in genomics, but the protein has no inhibitory function like many other members of the serpin family. Mutations in this gene result in TGB deficiency, which has been classified as partial deficiency, complete deficiency, and excess, based on the level of serum TBG. Alternatively spliced transcript variants encoding different isoforms have been found, but the full-length nature of these variants has not been determined.
Molecular Weight	44.000kDa
Form	Lyophilised:Use of phosphate buffer, pH >7.0 containing 0.15M NaCl is recommended.
Purity	by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 0.02M Ammonium bicarbonate. May contain traces

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of buffer salts.

Storage Store at +4°C.

GENE INFORMATION

Gene Name SERPINA7 serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7 [Homo sapiens]

Official Symbol SERPINA7

Synonyms SERPINA7; serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7; serine (or cysteine) proteinase inhibitor, clade A (alpha 1 antiproteinase, antitrypsin), member 7 , TBG; thyroxine-binding globulin; alpha 1 antiproteinase; an

Gene ID 6906

mRNA Refseq NM_000354

Protein Refseq NP_000345

Uniprot ID P05543

Chromosome Location Xq21-q22

Function binding; hormone binding; serine-type endopeptidase inhibitor activity;

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