

Recombinant Human Transthyretin

Cat. No. TTR-1837H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Prealbumin was expressed in <i>E.coli</i> and purified by using conventional chromatography. MW = 13.8 kDa (128aa).
Species	Human
Source	E.coli
ProteinLength	21-147 a.a.
Description	Prealbumin, also known Transthyretin, is a tetrameric human plasma protein that is synthesized mainly in the liver. This protein transports the thyroid hormone thyroxine (T4) and retinol (Vitamin A). It is the best indicator of protein-energy malnutrition because it has a circulating half life of 2 days and responds rapidly to changes in nutritional status. Also point-mutations of its gene are known to be associated with the amyloid diseases senile systemic amyloidosis (SSA), familial amyloid polyneuropathy (FAP), and familial amyloid cardiomyopathy (FAC).
Form	Liquid. In Phosphate-Buffered Saline (pH 7.4) containing 10% Glycerol.
Purity	> 95% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGPTGTGESK CPLMVKVLDV VRGSPAINVA VHVFRKAADD TWEPFASGKT SESGELHGLT TEEEFVEGIY KVEIDTKSYW KALGISPFHEHAIEVVFTAND

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SGPRRYTIAA LLSPYSYSTT AVVTNPKE.

Storage

can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name

TTR transthyretin [Homo sapiens]

Synonyms

Transthyretin; PALB; TBPA; HsT2651; TTR; ATTR; thyroxine-binding prealbumin; prealbumin, amyloidosis type I; Prealbumin

Gene ID

7276

mRNA Refseq

NM_000371

Protein Refseq

NP_000362

MIM

176300

UniProt ID

P02766

Chromosome Location


18q12.1

Function

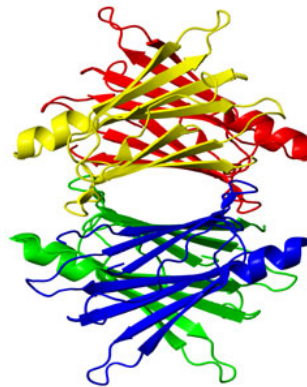
hormone activity; protein binding


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**Transthyretin
(prealbumin,
amyloidosis type I)**



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