

Recombinant Human TTR

Cat. No. TTR-30616TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human Prealbumin with proprietary tag, 40.5kDa.
Species	Human
Source	E.coli
Description	This gene encodes transthyretin, one of the three prealbumins including alpha-1-antitrypsin, transthyretin and orosomucoid. Transthyretin is a carrier protein; it transports thyroid hormones in the plasma and cerebrospinal fluid, and also transports retinol (vitamin A) in the plasma. The protein consists of a tetramer of identical subunits. More than 80 different mutations in this gene have been reported; most mutations are related to amyloid deposition, affecting predominantly peripheral nerve and/or the heart, and a small portion of the gene mutations is non-amyloidogenic. The diseases caused by mutations include amyloidotic polyneuropathy, euthyroid hyperthyroxinaemia, amyloidotic vitreous opacities, cardiomyopathy, oculoleptomeningeal amyloidosis, meningocerebrovascular amyloidosis, carpal tunnel syndrome, etc.
Tissue specificity	Detected in serum and cerebrospinal fluid (at protein level). Highly expressed in choroid plexus epithelial cells. Detected in retina pigment epithelium and liver.
Form	Liquid
Purity	>90% by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM HEPES, pH 7.0
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	Belongs to the transthyretin family.
Full Length	Full L.

GENE INFORMATION

Gene Name	TTR transthyretin [Homo sapiens]
Official Symbol	TTR
Synonyms	TTR; transthyretin; PALB, prealbumin, amyloidosis type I; HsT2651;
Gene ID	7276
mRNA Refseq	NM_000371
Protein Refseq	NP_000362
MIM	176300
Uniprot ID	P02766
Chromosome Location	18q12.1
Pathway	Amyloids, organism-specific biosystem; FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem;

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Function

hormone activity; hormone binding; protein binding;

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