

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	<p>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.</p>
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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