

## Human Prealbumin Reference Standard

Cat. No. TTR-21H Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Description</b>	<p>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).</p>
<b>Form</b>	Liquid
<b>Usage</b>	For research use only, not for diagnostic or therapeutic use.
<b>Quality Control Test</b>	Generated from a human serum pool. This lot has been tested by standard laboratory procedures and found to be negative for HIV 1, HIV 2, Hepatitis B and Hepatitis C.
<b>Storage</b>	Stored at -20 °C, 4 °C for less than seven days, frozen for greater than seven days.
<b>Concentration</b>	95.26 ug/ml
<b>Preservative</b>	0.1% sodium azide

### GENE INFORMATION

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<b>Gene Name</b>	TTR transthyretin [ Homo sapiens ]
<b>Official Symbol</b>	TTR
<b>Synonyms</b>	TTR; transthyretin; PALB, prealbumin, amyloidosis type I; HsT2651; ATTR; carpal tunnel syndrome 1; thyroxine-binding prealbumin; prealbumin, amyloidosis type I; CTS; CTS1; PALB; TBPA;
<b>Gene ID</b>	7276
<b>mRNA Refseq</b>	NM_000371
<b>Protein Refseq</b>	NP_000362
<b>MIM</b>	176300
<b>UniProt ID</b>	P02766
<b>Chromosome Location</b>	18q12.1
<b>Pathway</b>	Amyloids, organism-specific biosystem; Disease, organism-specific biosystem; FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem;
<b>Function</b>	hormone activity; hormone binding; protein binding;

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