

Recombinant Human TTR

Cat. No. TTR-11H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TTR was produced from the codon-optimized synthetic gene in Trichoplusia ni larval expression system.
Species	Human
Source	Trichoplusia Ni Larval
Description	Thyroid hormone-binding protein. Probably transports thyroxine from the bloodstream to the brain. Homotetramer. Interacts with RBP4. Defects in TTR are the cause of amyloidosis transthyretin-related; hyperthyroxinemia dystransthyretinemic euthyroidal; carpal tunnel syndrome type 1.
Form	1.8 mg/mL in 50 mM Tris buffer, 200 mM NaCl, pH 7.8, 0.2 µM Filtered.
AA Sequence	GPTGTGESKC PLMKVLDV RGSPAINVAV HVFRKAADDT WEPFASGKTS ESGELHGLTT EEEFVEGIYK VEIDTKSYWK ALGISPFHEH AEEVFTANDS GPRRYTIAAL LSPYSYSTTA VVTNPKE
Purity	>90% as determined by SDS-PAGE
Storage	Store at -80°C or colder upon arrival. Freeze-thaw cycles of this product should be avoided.

GENE INFORMATION

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Gene Name	TTR transthyretin [Homo sapiens]
Official Symbol	TTR
Synonyms	CTS; CTS1; PALB; TBPA; HEL111; HsT2651; transthyretin; ATTR; carpal tunnel syndrome 1; thyroxine-binding prealbumin; epididymis luminal protein 111; prealbumin, amyloidosis type I
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; Diseases associated with visual transduction, organism-specific biosystem; Signal Transduction, organism-specific biosystem; The canonical retinoid cycle in rods (twilight vision), organism-specific biosystem
Function	hormone activity; hormone binding; identical protein binding