

## Recombinant Human TTR Protein, His-tagged

**Cat. No.** TTR-128H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TTR Protein, fused to His-tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	<p>This gene encodes one of the three prealbumins, which include alpha-1-antitrypsin, transthyretin and orosomucoid. The encoded protein, transthyretin, is a homo-tetrameric carrier protein, which transports thyroid hormones in the plasma and cerebrospinal fluid. It is also involved in the transport of retinol (vitamin A) in the plasma by associating with retinol-binding protein. The protein may also be involved in other intracellular processes including proteolysis, nerve regeneration, autophagy and glucose homeostasis. Mutations in this gene are associated with amyloid deposition, predominantly affecting peripheral nerves or the heart, while a small percentage of the gene mutations are non-amyloidogenic. The mutations are implicated in the etiology of several diseases, including amyloidotic polyneuropathy, euthyroid hyperthyroxinaemia, amyloidotic vitreous opacities, cardiomyopathy, oculoleptomeningeal amyloidosis, meningocerebrovascular amyloidosis and carpal tunnel syndrome.</p>
<b>Form</b>	Supplied as a 0.2 µm filtered solution in 20mM Ammonium bicarbonate.
<b>Molecular Mass</b>	~15.1 kDa
<b>AA Sequence</b>	MRGSHHHHHHGSGPTGTGESKCPMLVKVLDVAVRGSPAINVAVHVFRKAADDTWEP

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FASGKTSESGEPHGLTTEEEFVEGIYKVEIDTKSYWKALGISPFHEHAEVVFTANDS  
GPRRYTIAALLSPYSYSTTAVVTNPKE

**Purity** >90%

**Storage** Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Concentration** 1.8 mg/mL  
0.25mg\*4

## GENE INFORMATION

**Gene Name** TTR transthyretin [ Homo sapiens (human) ]

**Official Symbol** TTR

**Synonyms** CTS; TTN; ATTR; CTS1; PALB; TBPA; HEL111; HsT2651

**Gene ID** 7276

**mRNA Refseq** NM\_000371

**Protein Refseq** NP\_000362

**MIM** 176300

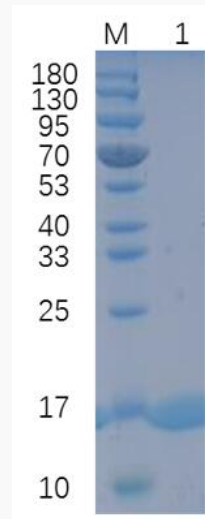
**UniProt ID** P02766

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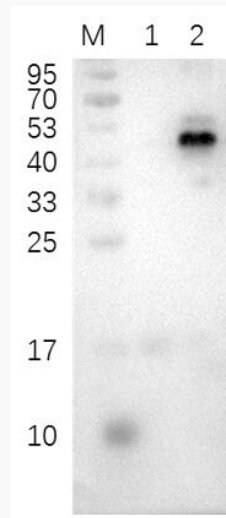
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**SDS-PAGE**



12% reducing SDS-PAGE analysis of purified mutated TTR.

**WB**



Western blot analysis of purified mutated TTR (approximately 3 mg protein loaded)  
primary antibody: anti-His antibody(HRP).

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