

Recombinant Human TTR Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human TTR Protein, fused to His-tag, was expressed in E. coli.
Species	Human
Source	E.coli
Description	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.
Form	Supplied as a 0.2 µm filtered solution in 20mM Ammonium bicarbonate.
Molecular Mass	~15.1 kDa
AA Sequence	MRGSHHHHHHGSGPTGTGESKCPLMKVLDVAVRGSPAINVAVHVFRKAADDTWEP

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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

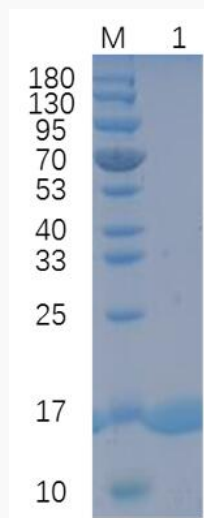
UniProt ID P02766

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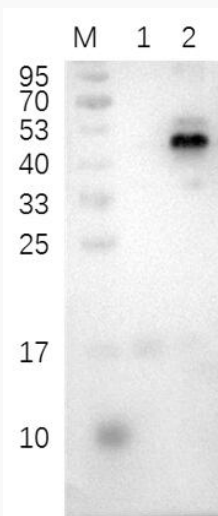
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SDS-PAGE



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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