Recombinant Human TTR Protein, His-tagged

Cat. No. TTR-129H **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	Liquid. In 140 mM NaCl, 2.7 mM KCl, 10 mM Na2HPO4, 1.8 mM KH2PO4 , pH 8.0.
Molecular Mass	~16 kDa
AA Sequence	MHHHHHHDDDDKGPTGTGESKCPLMVKVLDAVRGSPAINVAVHVFRKAADDTWEP

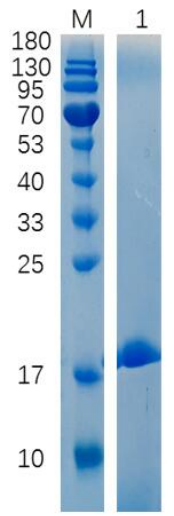
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	FASGKTSESGELHGLTTEEEFVEGIYKVEIDTKSYWKALGISPMHEHAEVVFTANDS GPRRYTIA AMLSPYSYSTTAVVTNPKE*
Purity	>90%
Storage	Short Term Storage at 4 centigrade, Long Term, please prepare aliquots with 20% glycerol and store at -20-80 centigrade. Avoid freeze/thaw cycles.

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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SDS-PAGE	 15% SDS-PAGE analysis profiles of purified TTR,F87M/L110M (CBB stained).

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