Recombinant Full Length Human TTR Protein, C-Flag-tagged

Cat. No. TTR-1220HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TTR Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	13.7 kDa

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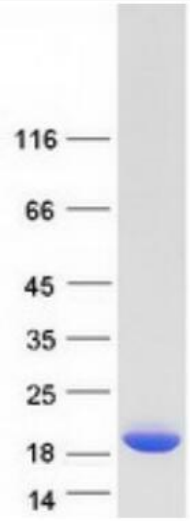
AA Sequence	MASHRLLLLCLAGLVFVSEAGPTGTGESKCPLMVKVLDAVRGSPAINVAVHVFRKAA DDTWEPFASGKTS ESGELHGLTTEEEFVEGIYKVEIDTKSYWKALGISPFHEHAEVV FTANDSGPRRYTIAALLSPYSYSTTA VVTNPKETRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	ES Cell Differentiation/IPS, Secreted Protein
Full Length	Full L.

GENE INFORMATION

Gene Name	TTR transthyretin [Homo sapiens (human)]
Official Symbol	TTR
Synonyms	CTS; TTN; ATTR; CTS1; PALB; TBPA; HEL111; HsT2651
Gene ID	7276

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mRNA Refseq	NM_000371.4
Protein Refseq	NP_000362.1
MIM	176300
UniProt ID	P02766



Coomassie blue staining of purified TTR protein.

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