Recombinant Human TTR (L55P) Protein (Full Length)

Cat. No. TTR-04H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TTR (L55P) Protein (Full Length) without tag was expressed inn E. coli.
Species	Human
Source	E.coli
ProteinLength	Full Length
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.
Purity	> 95% pure using SDS-PAGE analysis.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

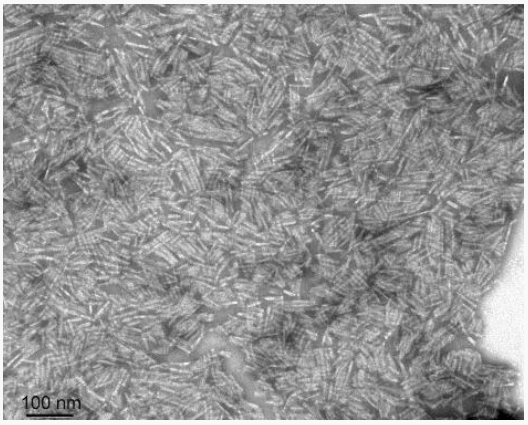
Applications	WB, SDS-PAGE, In vivo assay, In vitro assay
Notes	Not for use in humans. Not for use in diagnostics or therapeutics. For in vitro research use only.
Storage	At -80 centigrade.
Storage Buffer	PBS pH 7.4
Shipping	Dry Ice. Shipping note: Product will be shipped separately from other products purchased in the same order.

GENE INFORMATION

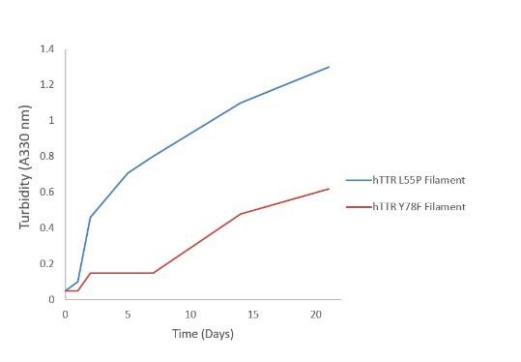
Gene Name	TTR transthyretin [Homo sapiens (human)]
Official Symbol	TTR
Synonyms	TTR; transthyretin; CTS; TTN; ATTR; CTS1; PALB; TBPA; HEL111; HsT2651; transthyretin; epididymis luminal protein 111; prealbumin, amyloidosis type I; thyroxine-binding prealbumin
Gene ID	7276
mRNA Refseq	NM_000371
Protein Refseq	NP_000362
MIM	176300
UniProt ID	P02766

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

TEM



TEM of Human Recombinant Transthyretin L55P Variant Protein Filaments.



Turbidity Assay shows increased turbidity in Human Recombinant Transthyretin L55P Variant Protein Filaments (SPR-464)

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA