

Product datasheet for **TP304976M**

Prealbumin (TTR) (NM_000371) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human transthyretin (TTR), 100 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC204976 protein sequence
Red=Cloning site **Green**=Tags(s)

MASHRLLLLCLAGLVFVSEAGPTGTGESKCLPMVKVLDVAVRGSPAINVAVHVFRKAADDTWEPFASGKTS
ESGELHGLTTEEEFVEGIYKVEIDTKSYWKALGISPFHEHAEEVFTANDSGPRRYTIAALLSPYSYSTTA
VVTNPKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 13.7 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_000362](#)

Locus ID: 7276

UniProt ID: [P02766](#), [E9KL36](#)

RefSeq Size: 938



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Cytogenetics: 18q12.1

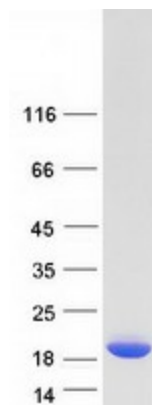
RefSeq ORF: 441

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

Summary: 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. [provided by RefSeq, Aug 2017]

Protein Families: ES Cell Differentiation/IPS, Secreted Protein

Product images:



Coomassie blue staining of purified TTR protein (Cat# [TP304976]). The protein was produced from HEK293T cells transfected with TTR cDNA clone (Cat# [RC204976]) using MegaTran 2.0 (Cat# [TT210002]).