

## Product datasheet for **AR09342PU-N**

### Transthyretin / Prealbumin (21-147) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Transthyretin / Prealbumin (21-147) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGPTGTGESK CPLMVKVLDA VRGSPAINVA VHVFRKAADD TWEPFASGKT SESGELHGLT TEEEFVEGIY KVEIDTKSYW KALGISPFHE HAEVVFTAND SGPRRYTIAA LLSPYSYSTT AVVTNPKE
Predicted MW:	13.8 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: PBS, pH 7.4, containing 10% Glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human Prealbumin was expressed in E.coli and purified by using conventional chromatography. <b><i>N-terminal Sequence Analysis:</i></b> Met-Lys-Ile Ile-Glu-Glu
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_000362</a>
Locus ID:	7276
UniProt ID:	<a href="#">P02766</a> , <a href="#">E9KL36</a>
Cytogenetics:	18q12.1
Synonyms:	ATTR; CTS; CTS1; HEL111; HsT2651; PALB; TBPA; TTN



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**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:**