

Product information

Prealbumin, 21-147 aa

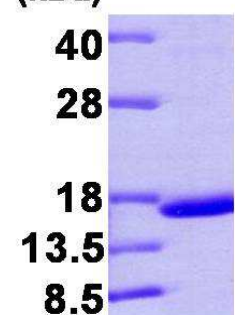
Human, Recombinant, *E.coli*

Cat. No. IBATGP0456

Synonyms: TTR, Transthyretin, TBPA, ATTR, PALB

NCBI Accession No.: NP_000362

Description: Prealbumin, also known Transthyretin, is a tetrameric human plasma protein that is synthesized mainly in the liver. This protein transports the thyroid hormone thyroxine (T4) and retinol (Vitamin A). It is the best indicator of protein-energy malnutrition because it has a circulating half life of 2 days and responds rapidly to changes in nutritional status. Also point-mutations of its gene are known to be associated with the amyloid diseases senile systemic amyloidosis (SSA), familial amyloid polyneuropathy (FAP), and familial amyloid cardiomyopathy (FAC). Recombinant human Prealbumin was expressed in *E.coli* and purified by using conventional chromatography.

<p>Form: Liquid. In Phosphate-Buffered Saline (pH 7.4) containing 10% Glycerol</p> <p>Molecular Weight: 13.8 kDa (128aa), confirmed by MALDI-TOF</p> <p>Purity: > 95% by SDS - PAGE</p> <p>Concentration: 1 mg/ml (determined by Bradford assay)</p> <p>N- terminal Sequence Analysis: Met-Lys-Ile-Glu-Glu</p>	<p>(kDa)</p>  <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p>MGPTGTGESK CPLMVKVLDA VRGSPA INVA VHVFRKAADD TWEPFASGKT SESGELHGLT TEEEFVEGIY KVEIDTKSYW KALGISPFEH HAEVFTAND SGPRRYT IAA LLSPYSYSTT AVVTNPKE</p>	

General references:

Ando Y., et al. (2009) *Rinsho Byori*. **57**(3):228-35.

Shenkin A., et al. (2006) *Clin Chem*. **52**(12):2177-9.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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