9051 Mira Mesa Blvd, #910094
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Transthyretin Human

Prealbumin Human Recombinant
RCP2428

Product Overview

Name	Transthyretin Human

Description

Prealbumin Human Recombinant

Accession (Primary)	P02766

Synonyms

TTHY, TTR, ATTR, TBPA, Transthyretin, Prealbumin, PALB, HsT2651.

Introduction

Prealbumin is a thyroid hormone-binding protein that transports thyroxine from the bloodstream to the brain. Prealbumin is a carrier protein which transports thyroid hormones in the plasma and cerebrospinal fluid, and also transports retinol (vitamin A) in the plasma. Transthyretin consists of a tetramer of identical subunits and is dominantly produced in the liver. Mutations in Prealbumin are related to amyloid deposition, affecting predominantly peripheral nerve and/or the heart. The diseases caused by mutations include amyloidotic polyneuropathy, euthyroid hyperthyroxinaemia, amyloidotic vitreous opacities, cardiomyopathy, oculoleptomeningeal amyloidosis, meningocerebrovascular amyloidosis, and carpal tunnel syndrome. Prealbumin is an indicator of protein-energy malnutrition since it has a circulating half life of 2 days and reacts swiftly to changes in nutritional status.

Source

Escherichia Coli.

Physical Appearance

Sterile filtered colorless solution.

Formulation

The Transthyertin protein solution contains 1x PBS, pH-7.4, and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

MGPTGTGESK CPLMVKVLDA VRGSPAINVA VHVFRKAADD TWEPFASGKT SESGELHGLT TEEEFVEGIY

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KVEIDTKSYW KALGISPFHE HAEVVFTAND SGPRRYTIAA LLSPYSYSTT AVVTNPKE.

Precautions

Transthyretin Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P02766)