

32-4494: Recombinant Human Transthyretin

Alternative Name : TTHY,TTR,ATTR,TBPA,Transthyretin,Prealbumin,PALB,HsT2651.

Description

Source : Escherichia Coli. Transthyretin Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 128 amino acids (21-147 a.a.) and having a molecular weight of 13.8kDa. The Transthyretin is purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	25 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	The Transthyretin protein solution contains 1x PBS, pH-7.4, and 10% glycerol.
Storage condition :	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.
Amino Acid :	MGPTGTGESK CPLMVKVLDA VRGSPAINVA VHVFRKAADD TWEPFASGKT SESGELHGLT TEEEFVEGIY KVEIDTKSYW KALGISPFHE HAEVVFTAND SGPRRYTIAA LLSPYSYSTT AVVTNPKE.

