

Human Transthyretin/Prealbumin Protein

Cat. No. TSR-HM101

Description

Source	Recombinant Human Transthyretin/Prealbumin Protein is expressed from Expi293 with His tag at the C-terminal. It contains Gly21-Glu147.
Accession	NP_000362
Molecular Weight	The protein has a predicted MW of 14.9 kDa. Due to glycosylation, the protein migrates to 16 kDa and 39 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

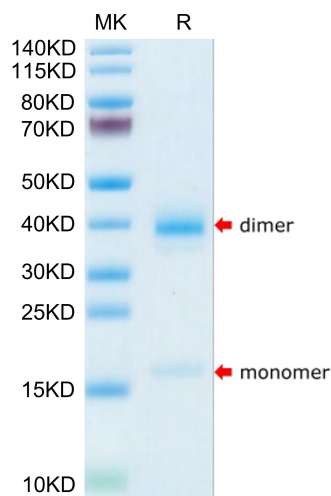
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

Background

Transthyretin is a highly conserved homotetrameric protein, mainly synthesized by the liver and the choroid plexus of brain. The carrier role of TTR is well-known; however, many other functions have emerged, namely in the nervous system. TTR aggregates are responsible for many amyloidosis such as familial amyloidotic polyneuropathy and cardiomyopathy. Normal TTR can also aggregate and deposit in the heart of old people and in preeclampsia placental tissue.

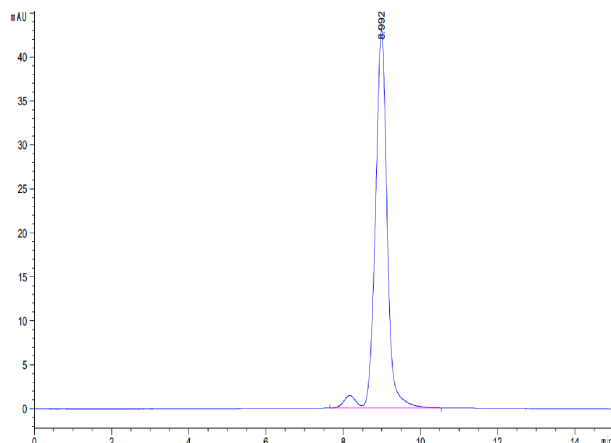
Assay Data

Tris-Bis PAGE



Human Transthyretin/Prealbumin on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human Transthyretin/Prealbumin is greater than 95% as determined by SEC-HPLC.