Datasheet for ABIN7275811

TTR Protein (AA 21-147) (His tag)

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Overview

Quantity:	100 µg
Target:	TTR
Protein Characteristics:	AA 21-147
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TTR protein is labelled with His tag.

Product Details

Purpose:	Human Transthyretin/Prealbumin Protein
Sequence:	Gly21-Glu147
Characteristics:	Recombinant Human Transthyretin/Prealbumin Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Gly21-Glu147.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	TTR
Alternative Name:	Transthyretin (TTR Products)

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Target Details

Background:	Transthyretin is a highly conserved homotetrameric protein, mainly synthetized 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.
Molecular Weight:	14.9 kDa. Due to glycosylation, the protein migrates to 16 kDa and 39 kDa based on Tris-Bis PAGE result.
NCBI Accession:	NP_000362
Pathways:	Hormone Transport

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

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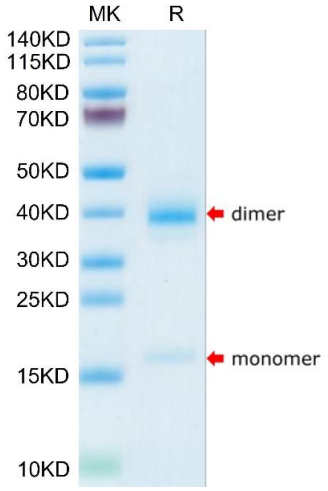
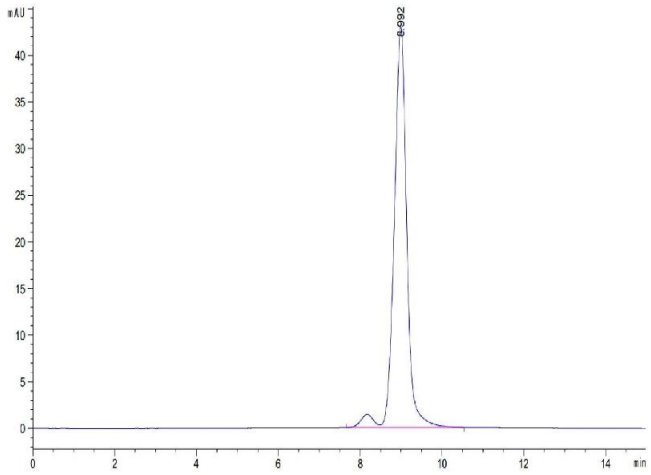


SDS-PAGE

Image 1. Human Transthyretin/Prealbumin on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human Transthyretin/Prealbumin is greater than 95 % as determined by SEC-HPLC.

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