

For Research Use Only

Recombinant Human Transthyretin protein (His Tag)



Catalog Number: Eg0931

Basic Information	Species:	Purity:	Tag:
	Human	>90 %, SDS-PAGE	His Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<1.0 EU/ µg protein, LAL method

Source:
HEK293-derived Human Transthyretin protein Gly21-Glu147 (Accession# P02766) with a His tag at the C-terminus.

GeneID:
7276

Accession:
P02766

Predicted Molecular Mass:
14.8 kDa

SDS-PAGE:

Formulation:
Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Transthyretin (TTR) is a plasma transport protein for thyroxine and retinol, through the association with retinol-binding protein. It is a homotetrameric protein synthesized mainly in liver, choroid plexus, retinal pigment epithelium, and pancreas. Within the CNS, TTR is the only known protein synthesized solely by the choroid plexus. Mutant and wildtype TTR give rise to various forms of amyloid deposition (amyloidosis). Defects in TTR are the cause of amyloidosis transthyretin-related (ATTR), hyperthyroxinemia dysransthyretinemic euthyroidal (HTDE) and carpal tunnel syndrome type 1 (CTS1).

References

1. Iwasaki, Takeshi et al. Neuropathology: official journal of the Japanese Society of Neuropathology vol. 31,6 (201:
2. Sousa, João Carlos et al. Neurobiology of aging vol. 28,5 (2007): 713-8.

Synonyms

Prealbumin, Prealbumin/transthyretin, TTR, ATTR, HsT2651

Selected Validation Data

For technical support and original validation data for this product please contact

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