Transthyretin/TTR Protein, Human (HEK293, Fc-Myc)

Cat. No.:	HY-P72026
Synonyms:	ATTR Prealbumin; TBPA; PALB;
Species:	Human
Source:	HEK293
Accession:	P02766 (G21-E147)
Gene ID:	7276
Molecular Weight:	Approximately 47 kDa

PROPERTIES

AA Sequence	G P T G T G E S K C P L M V K V L D A V R G S P A I N V A V H V F R K A A D D T W E P F A S G K T S E S G E L H G L T T E E E F V E G I Y K V E I D T K S Y W K A L G I S P F H E H A E V V F T A N D S G P R R Y T I A A L L S P Y S Y S T T A V V T N P K E
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized RBP4 at 5 μg/mL can bind human TTR, the EC_{50} of human TTR protein is 594.9-1441 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm solution of PBS, 6% Trehalose, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US;may vary elsewhere.

DESCRIPTION

Background	Transthyretin/TTR Protein serves as a thyroid hormone-binding protein, likely playing a crucial role in transporting thyroxine from the bloodstream to the brain. Forming a homotetramer, it is structured as a dimer of dimers, with subunits assembling around a central channel capable of accommodating two ligand molecules. This suggests a functional significance in the binding and transport of thyroxine. Additionally, Transthyretin/TTR Protein interacts with RBP4, highlighting potential cooperative actions in the regulation of thyroid hormone dynamics. The homotetrameric configuration and ligand-binding properties underscore the importance of Transthyretin/TTR in facilitating the transport

	and distribution of thyroid hormones, emphasizing its role in maintaining endocrine balance.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA