

Transthyretin/TTR Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P71671
Synonyms:	TTR; QccE-10711; QccE-14396; Transthyretin; Prealbumin
Species:	Cynomolgus
Source:	HEK293
Accession:	Q8HXW1 (G21-E147)
Gene ID:	101864775
Molecular Weight:	Approximately 18 kDa

PROPERTIES

AA Sequence	<p>G P T G V D E S K C P L M V K V L D A V R G S P A V N V A V N V F K K A A D E T</p> <p>W A 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</p> <p>S L G I S P F H E H A E V V F T A N D S G P R H Y T I A A L L S P Y S Y S T T A</p> <p>V V T N P K E</p>
Biological Activity	Measured in a cell proliferation assay using A549 cells. The ED50 this effect is 1.794 ng/mL, corresponding to a specific activity is 5.57×10^5 units/mg.
Appearance	Solution.
Formulation	Supplied as a 0.2 μ m filtered solution of 50 mM Tris-HCL, 300 mM NaCl, pH 7.4, 20% Glycerol.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

DESCRIPTION

Background	<p>Transthyretin (TTR), a thyroid hormone-binding protein, is implicated in the likely transport of thyroxine from the bloodstream to the brain. Structurally organized as a homotetramer, TTR forms a dimer of dimers, where subunits assemble around a central channel capable of accommodating two ligand molecules. The intricate architecture of the homotetramer suggests a functional role in facilitating the transport of thyroid hormones. Additionally, TTR interacts with RBP4, further highlighting its involvement in complex molecular interactions and potential roles in thyroid hormone regulation.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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