

Transthyretin Protein, Human, Recombinant (hFc & Myc)

General Information

Synonyms:	TBPA;Prealbumin;TTR;Transthyretin;PALB;ATTR
Protein Construction:	21-147 aa
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P02766
Molecular Weight:	43.9 kDa (predicted)
AA Sequence:	GPTGTGESKCPLMVKVLDAVRGSPAINVAVHVFRKAADDTWEPFASGKTSESSELHGLTTEEEFVEGIYKVEID TKSYWKALGISPFHEHAIEVVFTANDSGPRRYTIAALLSPYSYSTTAVVTNPKE

QC Testing

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 284.7-391.7 ng/mL.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. Note: If you have any special requirement for the glycerol content, please remark when you place the order. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

Preparation and Storage

Reconstitution:	Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.
Stability & Storage:	Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. <small>Actual storage temperature shall be subject to the COA.</small>
Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Thyroid hormone-binding protein. Probably transports thyroxine from the bloodstream to the brain.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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