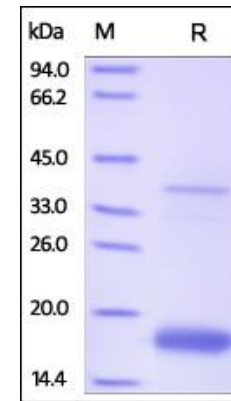


Human CellExp™ Transthyretin, Human recombinant

CATALOG NO:	P1138-20 20 µg P1138-50 50 µg
ALTERNATE NAMES:	Transthyretin, TTR, Prealbumin, TBPA, ATTR, PALB, CTS, CTS1, HsT2651
SOURCE:	HEK 293 cells (Gly 21 – Glu 147)
PURITY:	> 95% by SDS – PAGE
MOL. WEIGHT:	Human Transthyretin, His Tag is fused with a polyhistidine tag at the C-terminus, and has a calculated MW of 14.6 kDa. The predicted N-terminus is Gly 21. The reducing (R) protein migrates as 19 kDa and 37kDa in SDS-PAGE due to the monomer and dimer respectively.
ENDOTOXIN LEVEL:	< 1.0 EU per 1µg of protein (determined by LAL method)
FORM:	Lyophilized
FORMULATION:	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally Mannitol or Trehalose is added as a protectant before lyophilization.
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.
RECONSTITUTION:	Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 50 µg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% (W/V) HSA or BSA) is recommended for further dilution and long term storage. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -80°C.
DESCRIPTION:	Transthyretin (TTR) is also known as Prealbumin, ATTR, TBPA, PALB, which belongs to the transthyretin family. Transthyretin/ TTR is a serum and cerebrospinal fluid carrier of the thyroid hormone thyroxine (T4) and retinol-binding protein bound to retinol. In cerebrospinal fluid TTR is the primary carrier of T4. TTR also acts as a carrier of retinol (vitamin A) through its association with retinol-binding protein (RBP) in the blood and the CSF. Less than 1% of TTR's T4 binding sites are occupied in blood. TTR misfolding and aggregation is known to be associated with the amyloid diseases.



Human Transthyretin, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

RELATED PRODUCT:

- Human CellExp™ CCL6, mouse recombinant (Cat. No. 7226-10, -50)
- Human CellExp™ CD155, human recombinant (Cat. No. 7462-10, -50)
- Human CellExp™ CD160/BY55, human recombinant (Cat. No. 7386-10, -50)
- Human CellExp™ CD166/ ALCAM, human recombinant (Cat. No. 7437-10, -50)
- Human CellExp™ CD172A / SIRP, human recombinant (Cat. No. 7506-10, -50)
- Human CellExp™ CD33 / SIGLEC-3, human recombinant (Cat. No. 7370-10, -50)
- Human CellExp™ CD47, human recombinant (Cat. No. 7385-10, -50)
- Human CellExp™ CD55/DAF, human recombinant (Cat. No. 7432-10, -50)
- Human CellExp™ CD58 /LFA-3, human recombinant (Cat. No. 7427-10, -50)
- Human CellExp™ CD62E/E-Selectin, human recombinant (Cat. No. 7434-20, -100)
- Human CellExp™ CD71 / TFRC / TFR, human recombinant (Cat. No. 7279-10, -50)
- Human CellExp™ CD273, human recombinant (Cat. No. 7369-10, -50)
- Human CellExp™ CD36, human recombinant (Cat. No. 7371-10, -50)
- Human CellExp™ CD87, human recombinant (Cat. No. 7372-20, -100)

FOR RESEARCH USE ONLY! Not to be used on humans.

