

General Information

Gene Name Synonym

Transcobalamin II

Protein Construction

A DNA sequence encoding the human TCN2 (NP_000346.2) (Met 1-Trp 427) with a C-terminal polyhistidine tag was expressed.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized human TCN2-His at 10 μ g/mL (100 μ L/well) can bind biotinylated mouse CD320-His (Cat:503815).
The EC₅₀ of biotinylated mouse CD320-His (Cat:503815) is 18-42 ng/mL.

Purity

> 90 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μ g of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Glu 19

Molecular Mass

The secreted recombinant human TCN2 comprises 418 amino acids with a predicted molecular mass of 46.7 kDa. It migrates with the molecular weight of approximately 43 kDa in SDS-PAGE under reducing conditions.

Formulation

- Lyophilized from sterile PBS, pH 7.4
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
 2. Please contact us for any concerns or special requirements.

Usage Guide

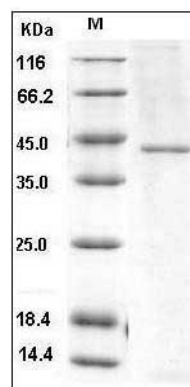
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human TCN2 Protein (His Tag) SDS-PAGE