

Active Recombinant Human TCN2 protein(Met1-Trp427), His-tagged

Cat. No. TCN2-873H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TCN2 (NP_000346.2) (Met 1-Trp 427) with a C-terminal polyhistidine tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Trp427
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Immobilized CD320 Protein, Mouse, Recombinant (hFc Tag) at 2 µg/mL (100 µL/well) can bind TCN2 Protein, Human, Recombinant (His Tag), the EC50 is 10-62 ng/mL.
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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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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

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [TCN2 transcobalamin II \[Homo sapiens \]](#)

Official Symbol [TCN2](#)

Synonyms TCN2; transcobalamin II; transcobalamin II; macrocytic anemia; transcobalamin-2; D22S676; D22S750; macrocytic anemia; TC2; vitamin B12-binding protein 2; II; TC; TC-2; TCII; TC II;

Gene ID [6948](#)

mRNA Refseq [NM_000355](#)

Protein Refseq [NP_000346](#)

MIM [613441](#)

UniProt ID [P20062](#)

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