

## ARG82491 Human TCN2 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG82491-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82491-002	Standard	2 X 50 ng/vial	4°C
ARG82491-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82491-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82491-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82491-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82491-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82491-008	25X Wash buffer	20 ml	4°C
ARG82491-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82491-010	STOP solution	10 ml (Ready to use)	4°C
ARG82491-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG82491 Human TCN2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human TCN2 in serum, plasma (EDTA, heparin), cell culture supernatants and urine.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	TCN2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (EDTA, heparin), cell culture supernatants and urine.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.3% Inter-Assay CV: 6.3%

Alternate Names TC-2; D22S676; TC2; II; TCII; D22S750; Transcobalamin-2; TC II; Transcobalamin II; TC

## Application Instructions

Assay Time ~ 5 hours

## Properties

Form 96 well

Storage instruction Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.

Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol TCN2

Gene Full Name transcobalamin II

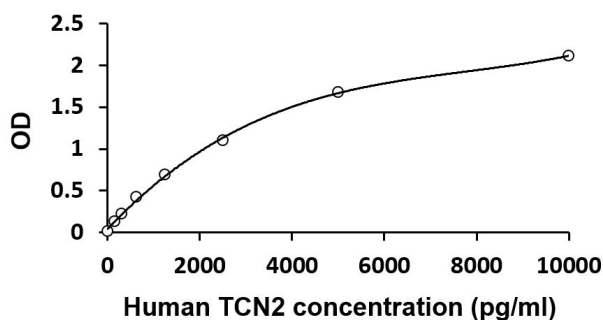
Background This gene encodes a member of the vitamin B12-binding protein family. This family of proteins, alternatively referred to as R binders, is expressed in various tissues and secretions. This plasma protein binds cobalamin and mediates the transport of cobalamin into cells. This protein and other mammalian cobalamin-binding proteins, such as transcobalamin I and gastric intrinsic factor, may have evolved by duplication of a common ancestral gene. Alternative splicing results in multiple transcript variants.[provided by RefSeq, May 2010]

Function Primary vitamin B12-binding and transport protein. Delivers cobalamin to cells. [UniProt]

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Cellular Localization Secreted. [UniProt]

## Images



ARG82491 Human TCN2 ELISA Kit standard curve image

ARG82491 Human TCN2 ELISA Kit results of a typical standard run with optical density reading at 450 nm.