

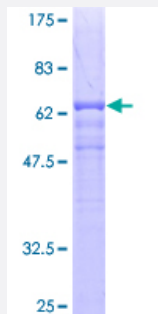
Full-Length

TCN2 (Human) Recombinant Protein (P02)

Catalog # H00006948-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TCN2 full-length ORF (AAH11239, 1 a.a. - 400 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRHLGAFLLGVLGALTEMCEIPEMDSHLVEKSGQHLLPWMDRLSLEHLNPSIYVGLRLSSLQA
GTKEDLYLHSLKLGYYQQCLLSAFSEDDGDCQGKPSMGQLALYLLALRANWHDHKGHPHTSYQ
YGLGILALCLHQKRVHDSVVDKLLYAVEPFHQGHHSVDTAAMAGLAFTCLKRSNFPNPGRRQRITM
AIRTVREEILKAQTPEGHFGNVYSTPLALQFLMTSPMRGAELGTACKARVALLASLDGAFQNAL
MISQLLPVLNHKTYIDLIFPDCLAPRVMLEPAAETIPQTQEIIISVTLQVLSLLPPYRQSIISVLAGSTVED
VLKKAHELGGFTYETQASLSGPYLTSMVGKAAGEREFWQLLRDPNTPLLQGIADYRPKDGETIEL
RLVSW

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

69.74

Interspecies Antigen Sequence

Mouse (67)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TCN2

Entrez GeneID	6948
GeneBank Accession#	BC011239
Protein Accession#	AAH11239
Gene Name	TCN2
Gene Alias	D22S676, D22S750, TC2
Gene Description	transcobalamin II; macrocytic anemia
Omim ID	275350
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	transcobalamin II

Publication Reference

- [Exercise-Regulated Adipokines as Therapy for Diabetes Management.](#)

Laurie J. GOODYEAR, Kristin I. STANFORD

United States Patent Application Publication 2016 Jan; [Epub].

Application: Incubation, Mouse, C2C12 cells, WT-1 brown adipocytes

Disease

- [Abortion](#)
- [Adenocarcinoma](#)
- [Alcoholism](#)
- [Anemia](#)
- [Aortic Aneurysm](#)
- [Atherosclerosis](#)
- [Autistic Disorder](#)
- [Avitaminosis](#)
- [Brain Ischemia](#)
- [Brain Neoplasms](#)
- [Calcinosis](#)
- [Central Nervous System Neoplasms](#)
- [Cerebrovascular Disorders](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colitis](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)

- [Colorectal Neoplasms](#)
- [Congenital Abnormalities](#)
- [Connective Tissue Diseases](#)
- [Coronary Artery Disease](#)
- [Down Syndrome](#)
- [Fetal Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Heart Defects](#)
- [Hernia](#)
- [Hyperhomocysteinemia](#)
- [Hypoplastic Left Heart Syndrome](#)
- [Infection](#)
- [Infertility](#)
- [Inflammation](#)
- [Intracranial Aneurysm](#)
- [Ischemia](#)
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- [Lymphoma](#)
- [Meningioma](#)
- [Mesothelioma](#)
- [Metabolic Diseases](#)
- [Microsatellite Instability](#)
- [Musculoskeletal Diseases](#)
- [Neural Tube Defects](#)
- [Obesity](#)

- [Peritoneal Neoplasms](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Skin Diseases](#)
- [Spinal Dysraphism](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
- [Vitamin B 12 Deficiency](#)