

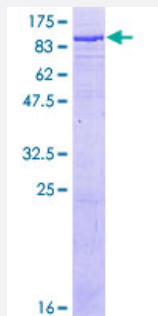
Full-Length

TF (Human) Recombinant Protein (P01)

Catalog # H00007018-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TF full-length ORF (NP_001054.1, 1 a.a. - 698 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRLAVGALLVCAVLGLCLAVPDKTVRWCAVSEHEATKCQSFRDHMKSVIPSDGPSVACVKKAS
YLCIRAIANEADAVTL DAGLVYDAYLAPNNLKPVVAEFYGSKEDPQTFYAVAVVKKDSGFQM
NQLRGKKSCHTGLGRSAGWNIPIGLLYCDLPEPRKPLEKAVANFFSGSCAPCADGTFPQLCQL
CPGCGCSTLNQYFGYSGAFKCLKDGAGDVAFVKHSTIFENLANKADRDQYELLCLDNTRKPVDE
YKDCHLAQVPSHTVVARSMGGKEDLWELLNQAQEHFGKDKSKEFQLFSSPHGKDLLFKDSAH
GFLKVPPRMDAKMYLGYEYVTAIRNLREGTCPEAPTDECKPVKWCALSHHERLKDEWSVNSV
GKIECVSAETTEDCIAKIMNGEADAMSLDGGFVYAGKCGLVPVLAENYNKSDNCEDTPEAGYFA
VAVVKKASDLTWDNLKGKKSCHTAVGRTAGWNIPMGLLYNKINHCRFDEFFSEGCAPGSKKDS
SLCKLCMGSGNLNCEPNNKEGYGYTGAFRCLVEKGDVAFVKHQTPQNTGGKNPDPWAKNLN
EKDYELLCLDGTRKPVVEYANCHLARAPNHAVVTRKDKEACVHKILRQQQHLFGSNVTD CSGNF
CLFRSETKDLLFRDDTVCLAKLHDRNTYEKYL GEEYVKAVGNLRKCSTSSLLEACTFRRP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

103.4

Interspecies Antigen Sequence

Mouse (73); Rat (73)

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 — TF

Entrez GeneID	7018
GeneBank Accession#	NM_001063.2
Protein Accession#	NP_001054.1
Gene Name	TF
Gene Alias	DKFZp781D0156, PRO1557, PRO2086
Gene Description	transferrin
Omim ID	190000 209300
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a glycoprotein with an approximate molecular weight of 76.5 kDa. It is thought to have been created as a result of an ancient gene duplication event that led to generation of homologous C and N-terminal domains each of which binds one ion of ferric iron. The function of this protein is to transport iron from the intestine, reticuloendothelial system, and liver parenchymal cells to all proliferating cells in the body. This protein may also have a physiologic role as granulocyte/pollen-binding protein (GPBP) involved in the removal of certain organic matter and allergens from serum. [provided by RefSeq]

Other Designations

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Disease

- [Abortion](#)
- [Alzheimer disease](#)
- [Anemia](#)
- [Anoxia](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Birth Weight](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Cystic fibrosis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Femur Head Necrosis](#)
- [Genetic Predisposition to Disease](#)
- [Hemochromatosis](#)

- [Iron Metabolism Disorders](#)
- [Iron Overload](#)
- [Ischemia](#)
- [Liver Cirrhosis](#)
- [Macular Degeneration](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Neurodegenerative Diseases](#)
- [Osteonecrosis](#)
- [Osteoporosis](#)
- [Psychiatric Status Rating Scales](#)
- [Recurrence](#)
- [Schizophrenia](#)
- [Stroke](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)