

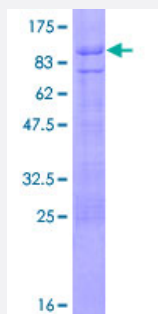
Full-Length

TBX21 (Human) Recombinant Protein (P01)

Catalog # H00030009-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TBX21 full-length ORF (AAH39739.1, 1 a.a. - 535 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGVEPGCGDMLTGTEPMPGSDEGRAPGADPQHRYFYPEPGAQDADERGGGSLGSPYPGGA
LVPAPPSRFLGAYAYPPRQAAGFPGAGESFPPADAEGYQPGEGYAAPDPRAGLYPGPREDY
ALPAGLEVSGKLRVALNNHLLWSKFNQHQTEMITKQGRRMF PFLSFTVAGLEPTSHYRMFVDVV
LVDQHHWRYQSGKWVQCCKAEGSMPGNRLYVHPDSPNTGAHWMRQEVSFGLKL TNNKGAS
NNVTQMVLQSLHKYQPR LHIVEVNDGEPEAACNASNTHIFTFQETQFIAVTAYQNAEITQLKIDNNP
FAKGFRENFESMYTSVDTSIPSPGPNCQFLGGDHYSPLL NQYPVPSRFYDLP GQAKDVVPQ
AYWLGAPRDHSYAEFRAVSMKPAFLPSAPGPTMSYYRGQEV LAPGAGWPVAPQYPPKMGPA
SWFRPMRTLPMEPGPGGSEGRGPEDQGPPLVWTEIAPIRPESSD SGLGEGDSKRRRVSPYPSS
GDSSSPAGAPSPFDKEAEGQFYNYFPN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

84.7

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 — TBX21

Entrez GeneID[30009](#)**GeneBank Accession#**[BC039739.2](#)**Protein Accession#**[AAH39739.1](#)**Gene Name**

TBX21

Gene Alias

T-PET, T-bet, TBET, TBLYM

Gene Description

T-box 21

Omim ID[208550 604895](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene is a member of a phylogenetically conserved family of genes that share a common DN A-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. This gene is the human ortholog of mouse Tbx21/Tbet gene. Studies in mouse show that Tbx21 protein is a Th1 cell-specific transcription factor that controls the expression of the hallmark Th1 cytokine, interferon-gamma (IFNG). Expression of the human ortholog also correlates with IFNG expression in Th1 and natural killer cells, suggesting a role for this gene in initiating Th1 lineage development from naive Th precursor cells. [provided by RefSeq]

Other Designations

T-box expressed in T cells|T-cell-specific T-box transcription factor

Disease

- [Arthritis](#)
- [Asthma](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Drug Hypersensitivity](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Inflammation](#)
- [Lupus Erythematosus](#)
- [Respiratory Syncytial Virus Infections](#)
- [Scleroderma](#)