

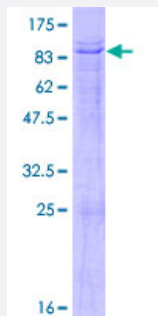
Full-Length

TBX5 (Human) Recombinant Protein (P01)

Catalog # H00006910-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TBX5 full-length ORF (AAH27942.1, 1 a.a. - 518 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MADADEGFGLAHTPLEPDAKDLPKDSKPESALGAPSKSPSSPQAAFTQQGMEGIKVFHEREL
WLKFHEVGTEMITKAGRRMFPSYKVKTGLNPKTKYLLMDIVPADDHRYKFADNKWSVTGKAEP
AMPGRLYVHPDSPATGAHWMRQLVSFQKLKL TNNHLD PFGHIILNSMHKYQRLHIVKADENNGF
GSKNTAFCTHVPETAFIAVTSYQNHKITQLKIENNPFAKGFRGSDDMELHRMSRMQSKEYPVVP
RSTVRQKVASNHSPFSSSRALSTSSNLGSQYQCENGVSGPSQDLLPPPNPYPLPQEHSQIYHC
TKRKEEECSTTDHPYKKPYMETSPSEEDSFYRSSYPQQQGLGASYRTESAQRQACMYASSAPP
SEPVPSLEDISCNTWPSMPSYSSCTVTTVQPMDRLPYQHFSAHFTSGPLVPRLAGMANHGGSPQL
GEGMFQHQTSVAHQPVVRQCGPQTGLQSPGTLQPPEFLYSHGVPRTLSPHQYHSVHGVGMVPE
WSDNS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

84.1

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 — TBX5

Entrez GeneID[6910](#)**GeneBank Accession#**[BC027942.1](#)**Protein Accession#**[AAH27942.1](#)**Gene Name**

TBX5

Gene Alias

HOS

Gene Description

T-box 5

Omim ID[142900 601620](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene is a member of a phylogenetically conserved family of genes that share a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. This gene is closely linked to related family member T-box 3 (ulnar mammary syndrome) on human chromosome 12. The encoded protein may play a role in heart development and specification of limb identity. Mutations in this gene have been associated with Holt-Oram syndrome, a developmental disorder affecting the heart and upper limbs. Several transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]

Other Designations

T-box transcription factor TBX5

Disease

- [Abnormalities](#)
- [Arrhythmias](#)
- [Atrial Fibrillation](#)
- [Atrioventricular Block](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hand Deformities](#)
- [Heart Defects](#)
- [Heart Septal Defects](#)
- [Hypertension](#)
- [Infant](#)
- [Narcolepsy](#)
- [Sick Sinus Syndrome](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)
- [Upper Extremity Deformities](#)