

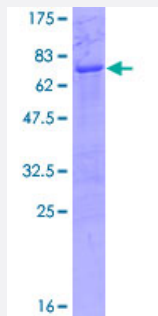
Full-Length

TEF (Human) Recombinant Protein (P01)

Catalog # H00007008-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TEF full-length ORF (NP_003207.1, 1 a.a. - 303 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSDAGGGKKPPVDPQAGPGPGGRAAGERGLSGSFPLVLKMLMENPPREARLDKEKGKEKLE
EDEAAAASTMAVSASLMPPWDKTIPTDGSFHLLEYMDLDEFLLENGIPASPHLAHNLLLPVAEL
EGKESASSSTASPPSSSTAIFQPSETVSSTESSLEKERETPSIDPNCVEVDVNFNPDADLVLS
SVPGGELFNPRKHKFAEEDLKPQPMIKKAKKVFPDEQKDEKYWTRKKNNVAAKRSRDARRL
KENQITIRAAFLEKENTALRTEVAELRKEVGKCKTVSKYETKYGPL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

59.6

Interspecies Antigen Sequence

Mouse (97); Rat (98)

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 — TEF

Entrez GeneID[7008](#)**GeneBank Accession#**[NM_003216.2](#)**Protein Accession#**[NP_003207.1](#)**Gene Name**

TEF

Gene Alias

-

Gene Description

thyrotrophic embryonic factor

Omim ID[188595](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Thyrotroph embryonic factor (TEF), a transcription factor, is a member of the PAR (proline and acidic amino acid-rich) subfamily of basic region/leucine zipper (bZIP) transcription factors. It is expressed in a broad range of cells and tissues in adult animals, however, during embryonic development, TEF expression appears to be restricted to the developing anterior pituitary gland, coincident with the appearance of thyroid-stimulating hormone, beta (TSHB). Indeed, TEF can bind to, and transactivate the TSHB promoter. It shows homology (in the functional domains) with other members of the PAR-bZIP subfamily of transcription factors, which include albumin D box-binding protein (DBP), human hepatic leukemia factor (HLF) and chicken vitellogenin gene-binding protein (VBP); VBP is considered the chicken homologue of TEF. Different members of the subfamily can readily form heterodimers, and share DNA-binding, and transcriptional regulatory properties. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designationsthyrotroph embryonic factor
