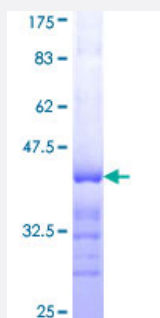


# TAF4 (Human) Recombinant Protein (Q01)

Catalog # H00006874-Q01

Size 25 ug, 10 ug

## Applications



## Specification

Product Description	Human TAF4 partial ORF ( NP_003176, 715 a.a. - 800 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LQPPVLSLTQPTQVGVGKQGQPTPLVIQQPPKPGALIRPPQVTLTQTPMVALRQPHNRIMLTTPQQ IQLNPLQPVPVVKPAVLPGT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.2
Interspecies Antigen Sequence	Mouse (94)
Preparation Method	<a href="#">in vitro wheat germ expression system</a>
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 — TAF4

Entrez GeneID [6874](#)

GeneBank Accession# [NM\\_003185](#)

Protein Accession# [NP\\_003176](#)

Gene Name TAF4

Gene Alias FLJ41943, TAF2C, TAF2C1, TAF4A, TAFII130, TAFII135

Gene Description TAF4 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 135kDa

Omim ID [601796](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

Initiation of transcription by RNA polymerase II requires the activities of more than 70 polypeptides. The protein that coordinates these activities is transcription factor IID (TFIID), which binds to the core promoter to position the polymerase properly, serves as the scaffold for assembly of the remainder of the transcription complex, and acts as a channel for regulatory signals. TFIID is composed of the TATA-binding protein (TBP) and a group of evolutionarily conserved proteins known as TBP-associated factors or TAFs. TAFs may participate in basal transcription, serve as coactivators, function in promoter recognition or modify general transcription factors (GTFs) to facilitate complex assembly and transcription initiation. This gene encodes one of the larger subunits of TFIID that has been shown to potentiate transcriptional activation by retinoic acid, thyroid hormone and vitamin D3 receptors. In addition, this subunit interacts with the transcription factor CREB, which has a glutamine-rich activation domain, and binds to other proteins containing glutamine-rich regions. Aberrant binding to this subunit by proteins with expanded polyglutamine regions has been suggested as one of the pathogenetic mechanisms underlying a group of neurodegenerative disorders referred to as polyglutamine diseases. [provided by RefSeq]

**Other Designations**

TAF4 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 135 kD|TAF4A RNA polymerase II, TATA box binding protein (TBP)-associated factor, 135 kD|TATA box binding protein (TBP)-associated factor, RNA polymerase II, C1, 130kD|TBP-associate

## Pathway

- [Basal transcription factors](#)

## Disease

- [Cerebral Hemorrhage](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Tobacco Use Disorder](#)