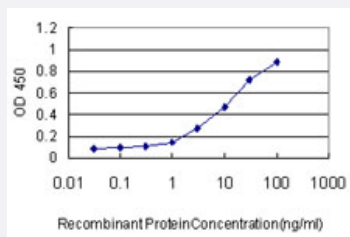


# TAF1 monoclonal antibody (M01), clone 1E11

Catalog # H00006872-M01

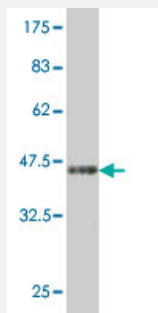
Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TAF1 is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.84 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant TAF1.

### Immunogen

TAF1 (NP\_004597, 1784 a.a. ~ 1893 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

### Sequence

RMLQENTRMDMENEESMMSYEGDGGEASHGLEDSNISYGSYEEDPKSNTQDTSFSSIGGYEV  
SEEEEEEEEEQSRGSPVLSQVHLSEDEEDSEDFHSIAGDSDLDSDE

### Host

Mouse

### Reactivity

Human

|                               |                                                                                                          |
|-------------------------------|----------------------------------------------------------------------------------------------------------|
| Interspecies Antigen Sequence | Rat (95)                                                                                                 |
| Isotype                       | IgG1 Kappa                                                                                               |
| Quality Control Testing       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (37.84 KDa) . |
| Storage Buffer                | In 1x PBS, pH 7.4                                                                                        |
| Storage Instruction           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                 |

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TAF1 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — TAF1

|                     |                                                                                  |
|---------------------|----------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">6872</a>                                                             |
| GeneBank Accession# | <a href="#">NM_004606</a>                                                        |
| Protein Accession#  | <a href="#">NP_004597</a>                                                        |
| Gene Name           | TAF1                                                                             |
| Gene Alias          | BA2R, CCG1, CCGS, DYT3, KAT4, N-TAF1, NSCL2, OF, P250, TAF2A, TAFII250           |
| Gene Description    | TAF1 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 250kDa |
| Omim ID             | <a href="#">313650</a> <a href="#">314250</a>                                    |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                        |

**Gene Summary**

Initiation of transcription by RNA polymerase II requires the activities of more than 70 polypeptides. The protein that coordinates these activities is the basal transcription factor 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 the largest subunit of TFIID. This subunit binds to core promoter sequences encompassing the transcription start site. It also binds to activators and other transcriptional regulators, and these interactions affect the rate of transcription initiation. This subunit contains two independent protein kinase domains at the N and C-terminals, but also possesses acetyltransferase activity and can act as a ubiquitin-activating/conjugating enzyme. This gene is part of a complex transcriptional unit (TAF1/DYT3), wherein some products share exons with TAF1 as well as additional exons downstream.[provided by RefSeq]

**Other Designations**

OTTHUMP00000024334|TBP-associated factor 1|cell cycle, G1 phase defect|complementation of cell cycle block, G1-to-S|transcription factor TFIID p250 polypeptide

**Pathway**

- [Basal transcription factors](#)

**Disease**

- [Alzheimer disease](#)
- [Angina](#)
- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Graft Occlusion](#)
- [Hemolytic-Uremic Syndrome](#)
- [Inflammation](#)
- [Intracranial Thrombosis](#)
- [Leukemia](#)

- [Lymphoma](#)
- [Meningococcal Infections](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Pulmonary Embolism](#)
- [Purpura](#)
- [Thrombosis](#)
- [Vascular Diseases](#)
- [Venous Thrombosis](#)