

TAF4/TAF4B (Human) Cell-Based ELISA Kit

Catalog # KA6239

Size 1 Kit

Specification

Product Description	TAF4/TAF4B (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of TAF4/TAF4B expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell.
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse
Regulatory Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — TAF4

Entrez GeneID	6874
Protein Accession#	O00268; Q92750
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 polypeptide s. 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

Gene Info — TAF4B

Entrez GeneID	6875
Protein Accession#	O00268; Q92750
Gene Name	TAF4B
Gene Alias	TAF2C2, TAFII105
Gene Description	TAF4b RNA polymerase II, TATA box binding protein (TBP)-associated factor, 105kDa
Omim ID	601689
Gene Ontology	Hyperlink
Gene Summary	TATA-binding protein associated factors (TAFs) participate, with TATA binding protein (TBP; MIM 600075), in the formation of the TFIID protein complex (see MIM 313650), which is involved in the initiation of gene transcription by RNA polymerase II (see MIM 180660).[supplied by OMIM]
Other Designations	TATA box binding protein (TBP)-associated factor 4B TATA box binding protein (TBP)-associated factor, RNA polymerase II, C2, 105kD transcription initiation factor TFIID 105 kD subunit

Pathway

- [Basal transcription factors](#)
- [Basal transcription factors](#)

Disease

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