



TAF15 Human, *E. coli* Recombinant Protein

Product Data Sheet

Cat. No.:	A118050005	A118050020	A118051000
Size:	5 µg	20 µg	1 mg

Description

TAF15 Human, E. coli Recombinant Protein is a single polypeptide chain containing 282 amino acids (148-406) with a molecular mass of 30 kDa. TAF15 is fused to a 23 amino acid His-tag at N-terminus and is purified by proprietary chromatographic techniques.

Summary

TAF15 is a member of the TET family of RNA-binding proteins. TAF15 plays a role in RNA polymerase II gene transcription as a component of a distinct subset of multi-subunit transcription initiation factor TFIID complexes. Translocations involving this gene play a role in acute leukemia and extraskeletal myxoid chondrosarcoma, and mutations in this gene may play a role in amyotrophic lateral sclerosis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

In a 2023 *Nature* article, "[TAF15 amyloid filaments in frontotemporal lobar degeneration](#)", Stephan Tetter et al. reported the presence of abundant TAF15 amyloid filaments with a characteristic fold in frontotemporal lobar degeneration (FTLD), thus establishing TAF15 as a member of the small group of proteins known to form neurodegenerative disease-associated amyloid filaments. This discovery opens the door for more attention to the role of TAF15 proteinopathy in neurodegenerative disease.

Other Names

TAF-15, TATA-binding protein-associated factor 2N, 68 kDa TATA-binding protein-associated factor (TAF(II)68; TAFII68), RNA-binding protein 56, RBP56, TAF2N, UniProtKB# Q92804.

update.: 2023.12

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Amino Acid Sequence

MGSSHHHHHHH SSGLVPRGSH MGSSYHSQRE NYSHHTQDDR RDVSRYGEDN RGYGGSQGGG
RGRGGYDKDG RGPMTGSSGG DRGGFKNFGG HRDYGPRTDA DSESDNSDNN TIFVQGLGEG
VSTDQVGEFF KQIGIIKTNK KTGKPMINLY TDKDTGKPKG EATVSFDDPP SAKAAIDWFD
GKEFHGNIK VSFATRRPEF MRGGGSGGGR RGRGGYRGRG GFQGRGGDPK SGDWVCPNPS
CGNMNFARRN SCNQCNEPRP EDSRPSGGDF RGRGYGGERG YR.

Source

E. coli

Formulation

Sterile-filtered clear solution. The TAF15 solution (0.25 mg/ml) contains 20 mM Tris-HCl buffer (pH 8.0), 0.15 M NaCl, 30% glycerol and 1 mM DTT.

Purity

Greater than 90% as determined by SDS-PAGE.

Shipping

Ships on regular ice packs. Upon receipt, store the product at the temperature recommended below.

Storage/Expiration

Store at 4° C if entire vial will be used within 2-4 weeks. Store frozen at -20° C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% [HSA](#) or [BSA](#)). **Please avoid freeze-thaw cycles.**

Usage

This product is intended for **Laboratory Research Use Only**. Not for use in diagnostic or therapeutic procedures. This product may not be used as a pharmaceutical or veterinary drug, agricultural product, or food additive.

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