

Recombinant human GTF2A1 protein

Catalog Number: ATGP2471

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-274aa

UniProt No.

P52655

NCBI Accession No.

NP_056943

Alternative Names

Transcription initiation factor IIA subunit 1 isoform 1, General transcription factor IIA, 1, 19/37kDa, TF2A1, TFIIA, TFIIA-42, TFIIAL

PRODUCT SPECIFICATION

Molecular Weight

32.2 kDa (297aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.15M NaCl, 1mM DTT

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

TFIIA is a component of the transcription machinery of RNA polymerase II and plays an important role in transcriptional activation. TFIIA in a complex with TBP mediates transcriptional activity. Recombinant human GTF2A1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

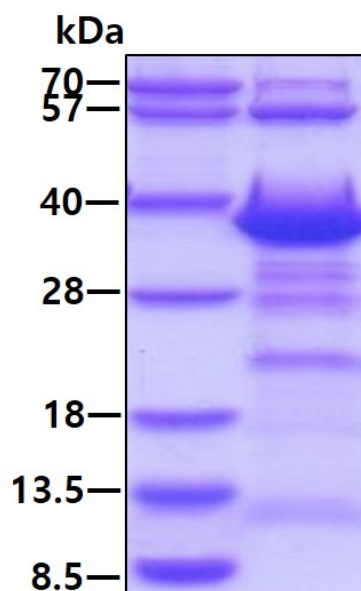
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VIVPDSKLIQ HMNASNMSAA ATAATLALPA GVTPVQQILT NSGQLLQVVR AANGAQYIFQ PQQSVVLQQQ VIPQMPPGGV
QAPVIQQVLA PLPGGISPQT GVIIQPQQIL FTGNKTQVIP TTVAAPTPAQ AQITATGQQQ PQAQPAQTQA PLVLQVD

General References

Zhou H., Spicuglia S et al. (2006), Mol. Cell. Biol. 26:2728-2735

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.