

Recombinant Full Length Human GTF2A1L Protein, GST-tagged

Cat. No. GTF2A1L-1425HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ALF full-length ORF (NP_006863.2, 1 a.a. - 478 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	478 amino acids
Description	The assembly and stability of the RNA polymerase II transcription pre-initiation complex on a eukaryotic core promoter involve the effects of transcription factor IIA (TFIIA) on the interaction between TATA-binding protein (TBP) and DNA. This gene encodes a germ cell-specific counterpart of the large (alpha/beta) subunit of general transcription factor TFIIA that is able to stabilize the binding of TBP to DNA and may be uniquely important to testis biology. Alternative splicing for this locus has been observed and two variants, encoding distinct isoforms, have been identified. Co-transcription of this gene and the neighboring upstream gene generates a rare transcript (SALF), which encodes a fusion protein comprised of sequence sharing identity with each individual gene product. [provided by RefSeq, Mar 2014]
Molecular Mass	78.8 kDa
AA Sequence	MACLNVPVKL YRSVIEDVIE GVRNLFAEEG IEEQVLKDLK QLWETKVLQS KATEDFFRNS IQSPLFTLQL PHSLHQTLQS STASLVIPAG RTLPSFTTAE

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LGTSNSSANF TFPGYPIHVP AGVTLQTVSG HLYKVNVPIM VTETSGRAGI
 LQHPIQQVFQ QLGQPSVIQT SVPQLNPWSL QATTEKSQRI ETVLQQPAIL
 PSGPVDRKHL ENATSDILVS PGNEHKIVPE ALLCHQESSH YISLPGVVFS
 PQVSQTNSNV ESVLSGSASM AQLNHDESLS TSPHGHALHGH VTDIQLHILK
 NRMYGCD SVK QPRNIEEPSN IPVSEKDSNS QVDLSIRVTD DDIGEIIQVD
 GSGDTSSNEE IGSTRDADEN EFLGNIDGGD LKVPEEEADS ISNEDSATNS
 SDNEDPQVNI VEEDPLNSGD DVSEQDVPDL FDTDNVIVCQ YDKIHRSKNK
 WKFYLKDGVM CFGGRDYVFA KAIGDAEW

Applications Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [GTF2A1L general transcription factor IIA, 1-like \[Homo sapiens \]](#)

Official Symbol [GTF2A1L](#)

Synonyms GTF2A1L; general transcription factor IIA, 1-like; TFIIA-alpha and beta-like factor; GTF2A1-like factor; TFIIA-alpha/beta-like factor; TFIIA large subunit isoform ALF; general transcription factor II A, 1-like factor; ALF; MGC26254

Gene ID [11036](#)

mRNA Refseq [NM_001193487](#)

Protein Refseq [NP_001180416](#)

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MIM	605358
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UniProt ID	Q9UNN4
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