

Active Recombinant Human GTF2F1, His-tagged

Cat. No. GTF2F1-8457H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GTF2F1, fused with His tag, was expressed in E. coli.
Species	Human
Source	E.coli
Description	The transcription factor IIF (TFIIF) is composed of 58 kDa (RAP74) and 26 kDa (RAP30) subunits that form a heterodimer, and was first identified through the ability to interact with immobilized RNA polymerase II. In addition to its role in transcription initiation, TFIIF can increase the specificity and efficiency of RNA polymerase II transcription, and can especially increase the rate of transcription elongation.
Form	20 mM Tris-Cl, pH 7.9, 20% Glycerol, 100 mM KCl, 1 mM DTT and 0.2 mM EDTA
Bio-activity	1 unit equals 1 ng of purified protein. 1 - 10 units are sufficient for a gel mobility shift assay in a 20 µl reaction; 20 units are sufficient for a reconstituted transcription assay and 100 units are sufficient for a protein-protein interaction assay.
AA Sequence	MAALGPSSQN VTEYVVRVPK NTTKKYNIMA FNAADKVNFA TWNQARLERD LSNKKIYQEE EMPESGAGSE FNRKLREEAR RKKYGIVLKE FRPEDQPWLL RVNGKSGRKF KGIKKGGVTE NTSYYIFTQC PDGAFAFPV HNWYNFTPLA RHRTLTAEEA EEEWERRNKV LNHFSIMQQR RLKDQDQDED EEEKEKRGRR KASELRIHDL EDDLEMSSDA SDASGEEGGR VPKAKKKAPL AKGGRKKKKK KGSDDEAFED SDDGDFEGQE VDYMSDGSSS SQEEPESKAK APQQEEGPKG VDEQSDSSEE SEEKPPEED KEEEEKKAP TPQEKRRRKD SSEESDSSEE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SDIDSEASSA FFMAKKKTTP KRERKPSGGS SRGNSRPGTP SAEGGSTSST
 LRAAASKLEQ GKRVSMPAA KRLRLDTGPQ SLSGKSTPQP PSGKTTTPNSG
 DVQVTEDAVR RYLTRKPMTT KDLLKKFQTK KTGLSSEQTV NVLAQILKRL
 NPERKMINDK MHFSLKE

Purity >95% as determined by SDS-PAGE

Storage -80 °C

Concentration 200 µg/ml

Shipping Dry Ice

GENE INFORMATION

Gene Name [GTF2F1 general transcription factor IIF, polypeptide 1, 74kDa \[Homo sapiens \]](#)

Official Symbol GTF2F1

Synonyms GTF2F1; general transcription factor IIF, polypeptide 1, 74kDa; general transcription factor IIF, polypeptide 1 (74kD subunit); general transcription factor IIF subunit 1; BTF4; RAP74; TF2F1; TFIIF; TFIIF-alpha; transcription initiation factor RAP74; general transcription factor IIF 74 kDa subunit; transcription initiation factor IIF subunit alpha;

Gene ID [2962](#)

mRNA Refseq [NM_002096](#)

Protein Refseq [NP_002087](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM	189968
UniProt ID	P35269
Chromosome Location	19p13.3
Pathway	Abortive elongation of HIV-1 transcript in the absence of Tat, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Basal transcription factors, organism-specific biosystem; Basal transcription factors, conserved biosystem; Disease, organism-specific biosystem; Formation of HIV-1 elongation complex containing HIV-1 Tat, organism-specific biosystem; Formation of HIV-1 elongation complex in the absence of HIV-1 Tat, organism-specific biosystem;
Function	DNA binding; catalytic activity; phosphatase activator activity; protein binding; transcription coactivator activity; transcription factor binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA