

Recombinant Human GTF2F2 293 Cell Lysate

Cat. No. GTF2F2-5699HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for general transcription factor IIF, polypeptide 2, 30kDa (GTF2F2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

GTF2F2 general transcription factor IIF, polypeptide 2, 30kDa [Homo sapiens]

Official Symbol

GTF2F2

Synonyms

GTF2F2; general transcription factor IIF, polypeptide 2, 30kDa; general transcription factor IIF, polypeptide 1 (74kD subunit); general transcription factor IIF subunit 2; BTF4; RAP30; TFIIF; TFIIF-beta; ATP-dependent helicase GTF2F2; transcription initiation factor RAP30; general transcription factor IIF 30 kDa subunit; transcription initiation factor IIF subunit beta; TF2F2;

Gene ID

2963

mRNA Refseq

NM_004128

Protein Refseq

NP_004119

MIM

189969

UniProt ID

P13984

**Chromosome
Location**

13q14

Pathway

Abortive elongation of HIV-1 transcript in the absence of Tat, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem;

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Basal transcription factors, organism-specific biosystem; Basal transcription factors, conserved biosystem; Disease, organism-specific biosystem; Eukaryotic Transcription Initiation, organism-specific biosystem; Formation of HIV-1 elongation complex containing HIV-1 Tat, organism-specific biosystem;

Function

ATP binding; ATP-dependent helicase activity; DNA binding; helicase activity; hydrolase activity; nucleotide binding; protein binding;

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