

## Recombinant Human GTF2H4 293 Cell Lysate

Cat. No. GTF2H4-5694HCL Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for general transcription factor IIH, polypeptide 4, 52kDa (GTF2H4) 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.
<b>Components</b>	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).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	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.
<b>Applications</b>	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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

**Gene Name** [GTF2H4 general transcription factor IIH, polypeptide 4, 52kDa \[ Homo sapiens \]](#)

**Official Symbol** [GTF2H4](#)

**Synonyms** [GTF2H4](#); general transcription factor IIH, polypeptide 4, 52kDa; general transcription factor IIH, polypeptide 4 (52kD subunit); general transcription factor IIH subunit 4; TFB2; TFIIH; BTF2 p52; basic transcription factor 2 52 kDa subunit; general transcription factor IIH polypeptide 4; TFIIH basal transcription factor complex p52 subunit;

**Gene ID** [2968](#)

**mRNA Refseq** [NM\\_001517](#)

**Protein Refseq** [NP\\_001508](#)

**MIM** [601760](#)

**UniProt ID** [Q92759](#)

**Chromosome Location** 6p21.3

**Pathway** Basal transcription factors, organism-specific biosystem; Basal transcription factors, conserved biosystem; DNA Repair, organism-specific biosystem; Disease, organism-specific biosystem; Dual incision reaction in GG-NER, organism-specific biosystem; Dual incision reaction in TC-NER, organism-specific biosystem; Eukaryotic

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Transcription Initiation, organism-specific biosystem;

**Function**

contributes\_to DNA-dependent ATPase activity; contributes\_to RNA polymerase II carboxy-terminal domain kinase activity; protein binding; contributes\_to protein kinase activity; sequence-specific DNA binding transcription factor activity;

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