

Recombinant Human GTF2H3 293 Cell Lysate

Cat. No. GTF2H3-5695HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for general transcription factor IIH, polypeptide 3, 34kDa (GTF2H3) 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 GTF2H3 general transcription factor IIH, polypeptide 3, 34kDa [Homo sapiens]

Official Symbol GTF2H3

Synonyms GTF2H3; general transcription factor IIH, polypeptide 3, 34kDa; general transcription factor IIH, polypeptide 3 (34kD subunit); general transcription factor IIH subunit 3; BTF2; TFIIH; BTF2 p34; basic transcription factor 2 34 kDa subunit; general transcription factor IIH polypeptide 3; TFIIH basal transcription factor complex p34 subunit; TFB4;

Gene ID 2967

mRNA Refseq NM_001516

Protein Refseq NP_001507

MIM 601750

UniProt ID Q13889

Chromosome Location 12q24.31

Pathway Basal transcription factors, organism-specific biosystem; Basal transcription factors, conserved biosystem; DNA Repair, organism-specific biosystem; Disease, organism-

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specific biosystem; Dual incision reaction in GG-NER, organism-specific biosystem;
Dual incision reaction in TC-NER, organism-specific biosystem; Eukaryotic
Transcription Initiation, organism-specific biosystem;

Function

contributes_to DNA-dependent ATPase activity; contributes_to RNA polymerase II
carboxy-terminal domain kinase activity; damaged DNA binding; metal ion binding;
protein N-terminus binding; contributes_to protein kinase activity; sequence-specific
DNA binding transcription factor activity; translation factor activity, nucleic acid
binding;

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