

Recombinant Human BRF1 cell lysate

Cat. No. BRF1-180HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	This gene encodes one of the three subunits of the RNA polymerase III transcription factor complex. This complex plays a central role in transcription initiation by RNA polymerase III on genes encoding tRNA, 5S rRNA, and other small structural RNAs. The gene product belongs to the TF2B family. Two alternatively spliced variants encoding different isoforms, that function at different promoters transcribed by RNA polymerase III, have been identified. Other transcript variants are possible, but their full-length natures have not been completely characterized.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	BRF1 BRF1 homolog, subunit of RNA polymerase III transcription initiation factor IIIB (<i>S. cerevisiae</i>) [<i>Homo sapiens</i>]
Official Symbol	BRF1

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Synonyms	BRF1; BRF1 homolog, subunit of RNA polymerase III transcription initiation factor IIIB (<i>S. cerevisiae</i>); GTF3B, TAF3B2, TAF3C, TATA box binding protein (TBP) associated factor, RNA polymerase III, GTF3B subunit 2; transcription factor IIIB 90 kDa subunit; BRF; hBRF; TFIIIB90; B - related factor 1; general transcription factor IIIB, 90kD subunit; TBP - associated factor, RNA polymerase III, 90kD; TATA box binding protein (TBP)-associated factor 3C; TATA box binding protein (TBP)-associated factor, RNA polymerase III, GTF3B subunit 2; BRF-1; GTF3B; TAF3C; TAF3B2; TF3B90; TAFIII90; FLJ42674; FLJ43034; MGC105048;
Gene ID	2972
mRNA Refseq	NM_001242786
Protein Refseq	NP_001229715
MIM	604902
UniProt ID	Q92994
Chromosome Location	14q
Pathway	Gene Expression, organism-specific biosystem; RNA Polymerase I, RNA Polymerase III, and Mitochondrial Transcription, organism-specific biosystem; RNA Polymerase III Abortive And Retractive Initiation, organism-specific biosystem; RNA Polymerase III Transcription, organism-specific biosystem; RNA Polymerase III Transcription Initiation, organism-specific biosystem; RNA Polymerase III Transcription Initiation From Type 1 Promoter, organism-specific biosystem; RNA Polymerase III Transcription Initiation From Type 2 Promoter, organism-specific biosystem;
Function	metal ion binding; translation initiation factor activity; zinc ion binding;

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