

Recombinant Human BRF1 cell lysate

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

SPECIFICATION

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 III B (*S. cerevisiae*) [*Homo sapiens*]

Official Symbol

BRF1

Synonyms

BRF1; BRF1 homolog, subunit of RNA polymerase III transcription initiation factor III B

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(*S. cerevisiae*); 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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