

Recombinant Human BRF2 293 Cell Lysate

Cat. No. BRF2-8408HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for BRF2, subunit of RNA polymerase III transcription initiation factor, BRF1-like (BRF2) 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

BRF2 BRF2, subunit of RNA polymerase III transcription initiation factor, BRF1-like [Homo sapiens]

Official Symbol

BRF2

Synonyms

BRF2; BRF2, subunit of RNA polymerase III transcription initiation factor, BRF1-like; transcription factor IIIB 50 kDa subunit; BRFU; FLJ11052; TFIIB50; BRF-2; hBRFU; hTFIIB50; B-related factor 2; transcription factor IIB- related factor, TFIIB50; RNA polymerase III transcription initiation factor BRFU;

Gene ID

55290

mRNA Refseq

NM_018310

Protein Refseq

NP_060780

MIM

607013

UniProt ID

Q9HAW0

**Chromosome
Location**

8p11.23

Pathway

Gene Expression, organism-specific biosystem; RNA Polymerase I, RNA Polymerase III, and Mitochondrial Transcription, organism-specific biosystem; RNA Polymerase III

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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 3 Promoter, organism-specific biosystem;

Function	metal ion binding; zinc ion binding;
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