

Recombinant Human NFIA 293 Cell Lysate

Cat. No. NFIA-3853HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for nuclear factor I/A (NFIA), transcript variant 2 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

NFIA nuclear factor I/A [Homo sapiens]

Official Symbol

NFIA

Synonyms

NFIA; nuclear factor I/A; nuclear factor 1 A-type; KIAA1439; NFI L; TGGCA-binding protein; CCAAT-box-binding transcription factor; CTF; NF1-A; NFI-A; NFI-L; NF-I/A; FLJ39164; DKFZp434L0422; DKFZp686J23256;

Gene ID

4774

mRNA Refseq

NM_001134673

Protein Refseq

NP_001128145

MIM

600727

UniProt ID

Q12857

**Chromosome
Location**

1p31.3-p31.2

Pathway

FOXA1 transcription factor network, organism-specific biosystem; 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

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Transcription, organism-specific biosystem; RNA Polymerase III Transcription
Termination, organism-specific biosystem;

Function

DNA binding; sequence-specific DNA binding transcription factor activity; transcription
factor binding;

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