

Recombinant Human DFFA 293 Cell Lysate

Cat. No. DFFA-6967HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for DNA fragmentation factor, 45kDa, alpha polypeptide (DFFA), transcript variant 1 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

DFFA DNA fragmentation factor, 45kDa, alpha polypeptide [Homo sapiens]

Official Symbol

DFFA

Synonyms

DFFA; DNA fragmentation factor, 45kDa, alpha polypeptide; DNA fragmentation factor, 45 kD, alpha polypeptide; DNA fragmentation factor subunit alpha; DFF 45; DFF1; DFF45; DNA fragmentation factor; 45 kD; alpha subunit; ICAD; inhibitor of CAD; DNA fragmentation factor 45 kDa subunit; DFF-45;

Gene ID

1676

mRNA Refseq

NM_004401

Protein Refseq

NP_004392

MIM

601882

UniProt ID

O00273

Chromosome Location

1p36.3-p36.2

Pathway

Activation of DNA fragmentation factor, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis induced

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DNA fragmentation, organism-specific biosystem; Apoptotic executionphase,
organism-specific biosystem;

Function

deoxyribonuclease activity;

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