

Recombinant Human DDIT4 293 Cell Lysate

Cat. No. DDIT4-7026HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for DNA-damage-inducible transcript 4 (DDIT4) 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

DDIT4 DNA-damage-inducible transcript 4 [Homo sapiens]

Official Symbol

DDIT4

Synonyms

DDIT4; DNA-damage-inducible transcript 4; DNA damage-inducible transcript 4 protein; Dig2; FLJ20500; HIF 1 responsive RTP801; REDD 1; REDD1; RTP801; HIF-1 responsive protein RTP801; HIF-1 responsive RTP801 (RTP801); protein regulated in development and DNA damage response 1; REDD-1; RP11-442H21.1;

Gene ID

54541

mRNA Refseq

NM_019058

Protein Refseq

NP_061931

MIM

607729

UniProt ID

Q9NX09

Chromosome Location

10q22.1

Pathway

Direct p53 effectors, organism-specific biosystem; mTOR signaling pathway, organism-specific biosystem; mTOR signaling pathway, organism-specific biosystem; mTOR signaling pathway, conserved biosystem;

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Function	14-3-3 protein binding;
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