

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.

 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

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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