Recombinant Human GADD45B 293 Cell Lysate

Cat. No. GADD45B-6054HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for growth arrest and DNA-damage-inducible, beta (GADD45B) 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	GADD45B growth arrest and DNA-damage-inducible, beta [Homo sapiens]
Official Symbol	GADD45B
Synonyms	GADD45B; growth arrest and DNA-damage-inducible, beta; MYD118; growth arrest and DNA damage-inducible protein GADD45 beta; DKFZP566B133; GADD45BETA; growth arrest and DNA damage inducible beta; myeloid differentiation primary response; negative growth regulatory protein MyD118; myeloid differentiation primary response protein MyD118; DKFZp566B133;
Gene ID	4616
mRNA Refseq	NM_015675
Protein Refseq	NP_056490
MIM	604948
UniProt ID	O75293
Chromosome Location	19p13.3
Pathway	Adipogenesis, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; IL12-mediated signaling events, organism-specific

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	biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; p38 MAPK signaling pathway, organism-specific biosystem;

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