

Recombinant Mouse Gadd45a Protein, Myc/DDK-tagged

Cat. No. Gadd45a-3130M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length growth arrest and DNA-damage-inducible 45 alpha (Gadd45a), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Might affect PCNA interaction with some CDK (cell division protein kinase) complexes; stimulates DNA excision repair in vitro and inhibits entry of cells into S phase. In T-cells, functions as a regulator of p38 MAPKs by inhibiting p88 phosphorylation and activity.
Molecular Mass	18.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name [Gadd45a growth arrest and DNA-damage-inducible 45 alpha \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Gadd45a](#)

Synonyms [GADD45A](#); growth arrest and DNA-damage-inducible 45 alpha; growth arrest and DNA damage-inducible protein GADD45 alpha; DDIT-1; [Gadd45alpha](#); DNA-damage inducible transcript 1; DNA-damage-inducible transcript 1; DNA damage-inducible transcript 1 protein; growth arrest and DNA-damage-inducible, alpha; growth arrest and DNA-damage-inducible protein GADD45 alpha; [Ddit1](#); [GADD45](#); [AA545191](#)

Gene ID [13197](#)

mRNA Refseq [NM_007836](#)

Protein Refseq [NP_031862](#)

UniProt ID [P48316](#)

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