

Recombinant Rhesus Macaque Growth Arrest And DNA-damage-inducible, Alpha

Cat. No. GADD45A-5195R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rhesus Macaque GADD45A is a single, non-glycosylated polypeptide chain containing 165 amino acids.
Species	Rhesus macaque
Source	Rhesus Macaque
Description	GADD45A is a member of the GADD45 family of proteins. It is ubiquitously expressed, and induced by DNA damage. Upon induction, GADD45A binds to PCNA, stimulates DNA excision repair, and initiates G2 cell cycle arrest.
Form	Lyophilized from a 0.2 um sterile filtered solution of PBS, pH 7.4.
Purity	>95% by SDS-PAGE and HPLC analyses.
Sequence	MTLEEF SAGEQKTERMDKVG DALEEVLSKA LSQRTITVGV YEAAKLLNVD PDNVVLCLLA ADEDDDRDVA LQIHFTLIQAFCCENDINIL RVSNPGR LAE LLLLLET D A G P A A T E G A E Q P P D L H C V L V T N P H S S Q W K D P A L S Q L I C F C R E S RYMDQWV P V I N L P E R
Molecular Weight	18.3 kDa
Endotoxin	<0.1 ng/μg of Protein

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Reconstitution	Centrifuge vial prior to opening. Add sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be divided into working aliquots and stored at -80°C. Further dilutions should be made in appropriate buffered solutions.
Storage	The lyophilized protein is stable at 2-4°C, but should be kept desiccated at -20°C for long term storage. After reconstitution, the protein is stable for 1 week at 2-4°C. For long term storage, aliquot and freeze at -80°C. Avoid repeated freeze-thaw cycles.
Official Symbol	GADD45A
Pathways	Cell cycle; MAPK signaling pathway; p53 signaling pathway

GENE INFORMATION

Gene Name	GADD45A growth arrest and DNA-damage-inducible, alpha [<i>Macaca mulatta</i>]
Synonyms	GADD45A; growth arrest and DNA-damage-inducible, alpha; ENSMMP00000019436; ENSMMP00000039965
Gene ID	701054
mRNA Refseq	XM_001095413
Protein Refseq	XP_001095413
UniProt ID	F6W540
Chromosome Location	1

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