



# Recombinant Rat Growth arrest and DNA damage-inducible protein GADD45 alpha (Gadd45a)

<b>Product Code</b>	CSB-EP009161RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P48317
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MTLEEFSAAE QKIERMDTVG DALEEVLSKA RSQRTITVGV YEAAKLLNVD PDNVVLCLLA ADEDDDRDVA LQIHFTLIRA FCCENDINIL RVSNPGR LAE LLLLENDKSP AESGGLAQTP DLHCVLVTNP HSSQWKDPAL SQLICFCRES RYMDQWVPVI NLPER
<b>Source</b>	E.coli
<b>Target Names</b>	Gadd45a
<b>Protein Names</b>	Recommended name: Growth arrest and DNA damage-inducible protein GADD45 alpha Alternative name(s): DNA damage-inducible transcript 1 protein Short name= DDIT-1
<b>Expression Region</b>	1-165
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	This gene is a member of a group of genes whose transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. This protein responds to environmental stresses by mediating activation of the p38/JNK pathway via MTK1/MEKK4 kinase. The DNA damage-induced transcription of this gene is mediated by both p53-dependent and -independent mechanisms.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.