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

Product Code	CSB-YP009161MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P48316
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MTLEEFSAAE QKTERMDTVG DALEEVLSKA RSQRTITVGV YEAAKLLNVD PDNVVLCLLA ADEDDDRDVA LQIHFTLIRA FCCENDINIL RVSNPGRLAE LLLLENDAGP AESGGAAQTP DLHCVLVTNP HSSQWKDPAL SQLICFCRES RYMDQWVPVI NLPER
Source	Yeast
Target Names	Gadd45a
Protein Names	Recommended name: Growth arrest and DNA damage-inducible protein GADD45 alpha Alternative name(s): DNA damage-inducible transcript 1 protein Short name= DDIT-1
Expression Region	1-165
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
Reconstitution	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.
Shelf Life	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.