



Recombinant Mouse Growth arrest and DNA damage-inducible protein GADD45 beta (Gadd45b)

Product Code	CSB-BP009163MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P22339
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MTLEELVASD NAVQKMQAVT AAVEQLLVAA QRQDRLTVGV YEAAKLMNVD PDSVVLCLLA IDEEEEDDIA LQIHFTLIQS FCCDNDIDIV RVSGMQRLAQ LLGEP AETLG TTEARDLHCL LVTNCHTDSW KSQGLVEVAS YCEESRGNNQ WVPYISLEER
Source	Baculovirus
Target Names	Gadd45b
Protein Names	Recommended name: Growth arrest and DNA damage-inducible protein GADD45 beta Alternative name(s): Myeloid differentiation primary response protein MyD118 Negative growth regulatory protein MyD118
Expression Region	1-160
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. The genes in this group respond to environmental stresses by mediating activation of the p38/JNK pathway. This activation is mediated via their proteins binding and activating MTK1/MEKK4 kinase, which is an upstream activator of both p38 and JNK MAPKs. The function of these genes or their protein products is involved in the regulation of growth and apoptosis. These genes are regulated by different mechanisms, but they are often coordinately expressed and can function cooperatively in inhibiting cell growth.
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 $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. The shelf life of lyophilized form is 12 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$.