

## 32-8063: Recombinant Human GADD45 beta/GADD45B (N-6His)

**Gene :** GADD45B

**Gene ID :** 4616

**Uniprot ID :** O75293

### Description

Source: E.coli.

MW :20kD.

Recombinant Human GADD45B is produced by our E.coli expression system and the target gene encoding Met1-Arg160 is expressed with a 6His tag at the N-terminus. Growth Arrest and DNA Damage-Inducible Protein GADD45 beta (GADD45B) is a member of the GADD45 family. GADD45B has been shown to interact with MAP3K4, ASK1, MAP2K7, and GADD45GIP1. GADD45B is involved in the regulation of growth and apoptosis. GADD45B reacts to environmental stresses by mediating activation of stress-responsive MTK1/MEKK4 kinase, which is an upstream activator of both p38 and JNK MAPKs. In addition, GADD45B participates in the down-regulation of hepatocellular carcinoma (HCC). It may serve as a possible therapeutic target.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** MGSSHHHHHHSSGLVPRGSHMTLEELVACDNAAQKMQTVTAAVEELLVAAQRQDRLTVGVYESAKLMNVDP  
DSVVLCLLAIDEEEDDIALQIHFTLIQSFCNDINIVRVSGMQRLAQLLGEPATQGTTEARDLHCLLVTPNPT  
DAWKSHGLVEVASYCEESRGNNQWVPYISLQER

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.