

## 32-8088: Recombinant Human GADD45a/GADD45A (N-6His)

**Gene :** GADD45A

**Gene ID :** 1647

**Uniprot ID :** P24522

### Description

Source: E.coli.

MW :20.5kD.

Recombinant Human GADD45A is produced by our E.coli expression system and the target gene encoding Met1-Arg165 is expressed with a 6His tag at the N-terminus. Growth Arrest and DNA Damage-Inducible Protein GADD45 a (GADD45A) is a member of the GADD45 family. GADD45A can be induced by UV irradiation, X-rays, growth arrest and alkylating agents, of which can be mediated by some kinases other than PKC. GADD45A can interact with MAPK14, GADD45GIP1, PCNA. In T-cells, GADD45A functions as a regulator of p38 MAPKs by inhibiting p38 phosphorylation and activity. GADD45A may affect PCNA interaction with some cell division protein kinase complexes, stimulating DNA excision repair in vitro and inhibits entry of cells into S phase.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

**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 :** MGSSHHHHHHSSGLVPRGSHMTLEEFSAEQKTERMDKVGDALEEVLSKALSQRITITVGVEAAKLLNVDPD  
NVVLCLLADEDDDRDVALQIHFTLIQAFCCENDINILRVSNPGRLEALLLETDAGPAASEGAEQPPDLHCVLV  
TNPSSQWKDPALSQLICFCRESRYMDQWVPVINLPER

### 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.