

**GADD45G, 1-159aa, Human, Recombinant, E.coli**

**Cat.NO.: TP02178**

3th Edition

**Synonyms:**Growth arrest and DNA-damage-inducible, gamma, CR6, DDIT2

**Description:**GADD45G is a member of GADD45 family (GADD45?, ?, and ?) that are nuclear proteins to interact with various proteins implicated in stress responses and cell-cycle-related proteins. The function of GADD45 proteins is involved in growth-regulatory mechanisms and apoptosis. GADD45G protein responds to environmental stresses by mediating activation of p38/JNK pathway via MTK1/MEKK4 kinase and its transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents.

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH 7.5)

**Molecular Weight:**17.1 kDa (159 aa)

**Sequences:**

MTLEEVRGQDTVPESTARMQGAGKALHELLLSAQRQGCLTAGVYESAKVLNVDPDNVTFCVLAAGEEDEGDIALQI  
HFTLIQAFCCENDIDIVRVGDVQRLAAIVGAGEEAGAPGDLHCILISNPNEAWKDPALEKLSLFCCEERSVNDWVP  
SITLPE

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.