

## Product datasheet for **TP301364M**

### GADD45G (NM\_006705) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human growth arrest and DNA-damage-inducible, gamma (GADD45G), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC201364 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MTLEEVRGQDTVPESTARMQGAGKALHELLLSAQRQGCLTAGVYESAKVLNVDPDNVTFVLAAGEEDEG  
DIALQIHFTLIQAFCCENDIDIVRVGDVQRLAAIVGAGEEAGAPGDLHCILISPNEDAWKDPALEKLSL  
FCEESRSVNDWVPSITLPE

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 16.9 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_006696](#)

**Locus ID:** 10912

**UniProt ID:** [Q95257](#)



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RefSeq Size: 1087

Cytogenetics: 9q22.2

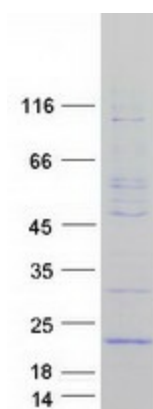
RefSeq ORF: 477

Synonyms: CR6; DDIT2; GADD45gamma; GRP17

**Summary:** 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 protein encoded by this gene responds to environmental stresses by mediating activation of the p38/JNK pathway via MTK1/MEKK4 kinase. The GADD45G is highly expressed in placenta. [provided by RefSeq, Jul 2008]

**Protein Pathways:** Cell cycle, MAPK signaling pathway, p53 signaling pathway

### Product images:



Coomassie blue staining of purified GADD45G protein (Cat# [TP301364]). The protein was produced from HEK293T cells transfected with GADD45G cDNA clone (Cat# [RC201364]) using MegaTran 2.0 (Cat# [TT210002]).