

Product datasheet for **TP301364L**

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)
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201364 protein sequence Red =Cloning site Green =Tags(s)

MTLEEVRGQDTVPESTARMQGAGKALHELLLSAQRQGCLTAGVYESAKVLNVDPDNVTFVLAAGEEDEG
DIALQIHFTLIQAFCCENDIDIVRVGDVQRLAAIVGAGEEAGAPGDLHCILISNPNEAWKDPALKLSL
FCEESRSVNDWVPSITLPE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	16.9 kDa
Concentration:	>50 ug/mL 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:	<u>NP_006696</u>
Locus ID:	10912
UniProt ID:	<u>O95257</u>
RefSeq Size:	1087



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Cytogenetics: 9q22.2

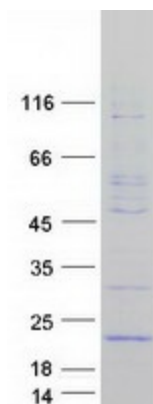
RefSeq ORF: 477

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]).