

Product datasheet for PH301364

GADD45G (NM_006705) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GADD45G MS Standard C13 and N15-labeled recombinant protein (NP_006696)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201364
Predicted MW:	17.1 kDa
Protein Sequence:	>RC201364 protein sequence Red =Cloning site Green =Tags(s) MTLEEVRGQDTVPESTARMQGAGKALHELLLSAQRQGCLTAGVYESAKVLNVDPDNVTFCVLAAGEEDEG DIALQIHFTLIQAFCCENDIDIYRVGDVQRLAAIVGAGEEAGAPGDLHCILISNPNEAWKDPALKLSL FCEESRSVNDWVPSITLPE TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_006696
RefSeq Size:	1087
RefSeq ORF:	477
Synonyms:	CR6; DDIT2; GADD45gamma; GRP17
Locus ID:	10912
UniProt ID:	O95257



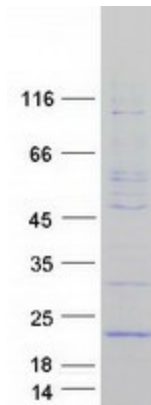
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Cytogenetics: 9q22.2

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]).