

[Go to Product page](#)

Datasheet for ABIN7318513 **GADD45G Protein (His tag)**

Overview

Quantity:	50 µg
Target:	GADD45G
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GADD45G protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human GADD45γ/GADD45G Protein (His Tag)
Sequence:	Met 1-Glu159
Characteristics:	Recombinant Human Growth Arrest and DNA Damage-Inducible Protein GADD45 gamma is produced by our E.coli expression system and the target gene encoding Met1-Glu159 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	GADD45G
Alternative Name:	GADD45gamma/GADD45G (GADD45G Products)
Background:	Background: Growth Arrest and DNA Damage-Inducible Protein GADD45 Y (GADD45G) is a nuclear protein which belongs to the GADD45 family. GADD45G is highly expressed in placenta.

Target Details

GADD45G interacts with various proteins whose transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. GADD45G responds to environmental stresses by mediating activation of the p38/JNK pathway via MTK1/MEKK4 kinase. GADD45G is also involved in the regulation of growth and apoptosis. GADD45G inhibits cell growth and differentiation by androgens. The mRNA expression is down-regulated in hepatocellular carcinoma.

Synonym: Growth Arrest and DNA Damage-Inducible Protein GADD45 Gamma, Cytokine-Responsive Protein CR6, DNA Damage-Inducible Transcript 2 Protein, DDIT-2, GADD45G, CR6, DDIT2

Molecular Weight:	19.3 kDa
-------------------	----------

UniProt:	O95257
----------	------------------------

Pathways:	Cell Division Cycle
-----------	-------------------------------------

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Lyophilized
---------	-------------

Reconstitution:	Please refer to the printed manual for detailed information.
-----------------	--

Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 8.0.
---------	--

Storage:	4 °C,-20 °C,-80 °C
----------	--------------------

Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
------------------	---