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Datasheet for ABIN7319595 **GADD45A Protein (His tag)**

Overview

Quantity:	50 µg
Target:	GADD45A
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GADD45A protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human GADD45A/DDIT-1 Protein (His Tag)
Sequence:	Met1-Arg165
Characteristics:	Recombinant Human GADD45A alpha is produced by our E.coli expression system and the target gene encoding Met1-Arg165 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:	GADD45A
Alternative Name:	GADD45A/DDIT-1 (GADD45A Products)
Background:	Background: Growth Arrest and DNA Damage-Inducible Protein GADD45 α (GADD45A) is a member of the GADD45 family. GADD45A can be induced by UV irradiation, X-rays, growth arrest and alkylating agents, of which can be mediated by some kinases other than PKC.

Target Details

GADD45A can interact with MAPK14, GADD45GIP1, PCNA. In T-cells, GADD45A functions as a regulator of p38 MAPKs by inhibiting p38 phosphorylation and activity. GADD45A may affect PCNA interaction with some cell division protein kinase complexes, stimulating DNA excision repair in vitro and inhibits entry of cells into S phase.

Synonym: Growth Arrest and DNA Damage-Inducible Protein GADD45 Alpha, DNA Damage-Inducible Transcript 1 Protein, DDIT-1, GADD45A, DDIT1, GADD45

Molecular Weight: 20.5 kDa

UniProt: [P24522](#)

Pathways: [p53 Signaling](#), [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 PB, 150 mM NaCl, pH 7.2.

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.