

Human GADD45A, N-Twin Strep, C-His, Flag Tag Protein

HA210743



Product name:	Human GADD45A, N-Twin Strep, C-His, Flag Tag
Species reactivity:	Human
Bio-Activity:	Testing in progress.
Protein construction description:	A DNA sequence encoding the human GADD45A protein (P24522) (Met 1-Arg 165) was expressed with a Twin strep tag at the N-terminus and both His, Flag tag at the C-terminus.
Background:	GADD45 alpha (Growth arrest and DNA damage-inducible protein 45 alpha) is a 19 kDa member of the GADD45 family of proteins. It is ubiquitously expressed, and induced by DNA damage. Upon induction, GADD45 alpha binds to PCNA, stimulates DNA excision repair, and initiates G2 cell cycle arrest. Human GADD45 alpha is 165 amino acids (aa) in length. It is reported to dimerize with GADD45-beta and -gamma, and to homo-dimerize, -trimerize and -tetramerize via residues 33 61 and 133 165. There is one splice variant that shows a Ser substitution for aa 14 49. GADD45 alpha is 55% aa identical to GADD45-beta and -gamma, and shares 94% aa identity with mouse GADD45 alpha.
Purity:	>95% as determined by SDS-PAGE.
Endotoxin:	Less than 1.0 EU per µg by the LAL method.
Fragment region:	GADD45A (1-165)
Source:	E.coli
Accession:	P24522
Predicted molecular mass:	25 kD
Formulation:	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
Reconstitution:	Reconstitute at 250 µg/ml in sterile water.
Storage:	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

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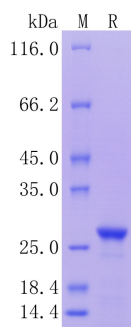


Fig1: Protein on SDS-PAGE under reducing (R) condition.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".