

GADD45A, 1-165aa, Human, His tag, E.coli

Cat.NO.: TP02177

3th Edition

Synonyms:Growth arrest and DNA damage-inducible protein GADD45 alpha, DDIT1, GADD45

Description:GADD45A, also known as growth arrest and DNA damage-inducible protein, binds both Cdks and PCNA, a protein involved in DNA replication and repair. It has been shown to stimulate DNA excision repair in vitro and to inhibit entry of cells into S phase. This protein may serve as a link between p53-dependent cell cycle checkpoint and DNA repair. Recombinant human GADD45A protein, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol0.1M NaCl

Molecular Weight:19.4 kDa (173aa)

Sequences:

MTLEEFSGAEQKTERMDKVGDALEEVLSKALSQRTITVGVYEAAKLLNVDPDNVVLCLLADEDDDDRDVALQIHFTL
IQAFCCENDINILRVSNPGRLAELLLLLETDAGPAASEGAEQPPDLHCVLVTNPHSSQWKDPALSQLICFCRESRYMD
QWVPVINLPERLEHHHHHH

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.