

GADD45GIP1, 48-222 aa, Human, His tag, E.coli

Cat.NO.: TP02179

3th Edition

Synonyms:Growth arrest and DNA damage-inducible proteins-interacting protein 1, CKBBP2, CRIF1, MGC4667, MGC4758, PLINP-1.

Description:GADD45GIP1, also known as CRIF1, is a nuclear protein that plays a role in apoptosis control. This protein is expressed in a variety of tissues, including heart, thyroid, trachea, kidney, ovary, pancreas, testis and stomach. It functions as a negative regulator of G1 to S phase cell cycle production, specifically by working with GADD45 proteins to inhibit the activity of cyclin-dependent kinases. Recombinant human GADD45GIP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 40% glycerol 2mM DTT, 0.2M NaCl

Molecular Weight:22.6 kDa (196aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMPRWQLGPRYAAKQFARYGAASGVVPGSLWPSPEQLRELEASEEREWYPSLAT
MQESLRVKQLAEEQKRREREQHIAECMAKMPQMIVNWQQQQRENWEKAQADKERRARLQAEAQELLGYQVDPR
SARFQELLQDLEKKERKRLKEEKQKRKKEARAAALAAVAQDPAASGAPSS

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford)

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.