

AR50105PU-N

Human GADD45GIP1 (48-222, His-tag) - Purified

Alternate names:

CKII beta-associating protein, CR6-interacting factor 1, CRIF1, Growth arrest and DNA-damage-inducible proteins-interacting protein 1, PLINP1, PRG6, Papillomavirus L2-interacting nuclear protein 1, p53-responsive gene 6 protein

Quantity:

0.25 mg

Concentration:

0.25 mg/ml (determined by Bradford)

Background:

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.

Uniprot ID:

[Q8TAE8](#)

NCBI:

[NP_443082](#)

GeneID:

[90480](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

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

Description:

Recombinant human GADD45GIP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MPRWQLGPRY AAKQFARYGA ASGVVPGSLW PSPEQLRELE
AEEREWYPSL ATMQESLRVK QLAEQKRRE REQHIAECMA KMPQMIVNWQ QQQRENWEKA
QADKERRARL QAEAQELLGY QVDPRSARFQ ELLQDLEKKE RKRLKEEKQK RKKEARAAAL
AAAVAQDPAA SGAPSS

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

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Chung HK., et al. (2003) J Biol Chem. 278(30):28079-88. Park KC., et al. (2005) Mol Endocrinol. 19(1):12-24.

Pictures:

