

Recombinant human GADD45GIP1 protein

Catalog Number: ATGP1280

PRODUCT INFORMATION

Expression system

E.coli

Domain

48-222aa

UniProt No.

Q8TAE8

NCBI Accession No.

NP_443082

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

22.6 kDa (196aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MPRWQLGPRY AAKQFARYGA ASGVVPGSLW PSPEQLRELE AEEREWYPSL
ATMQESLRVK QLAAEQKRRE REQHIAECMA KMPQMIVNWQ QQQRENWEKA QADKERRARL QAEAQELLYG
QVDPRESARFQ ELLQDLEKKE RKRLKEEKQK RKKEARAAAL AAVAQDPAA SGAPSS

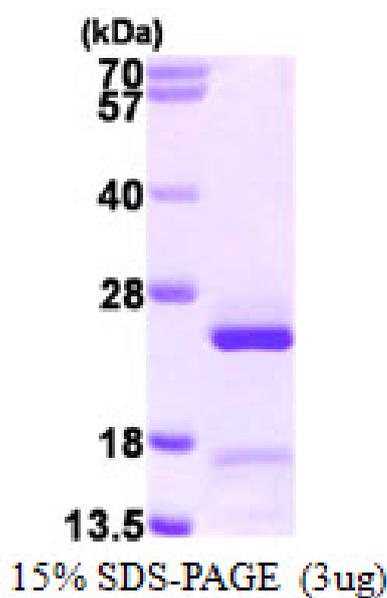
General References

Chung HK., et al. (2003) J Biol Chem. 278(30):28079-88.

Park KC., et al. (2005) Mol Endocrinol. 19(1):12-24.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.