

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.

Recombinant human GADD45GIP1 protein

Catalog Number: ATGP1280

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MPRWQLGPRY AAKQFARYGA ASGVVPGSLW PSPEQLRELE AEEREWYPSL
ATMQESLRVK QLAEQKRRE REQHIAECMA KMPQMIVNWQ QQQRENWEKA QADKERRARL QAEAQELLGY
QVDPARSARFQ ELLQDLEKKE RKRLKEEKQK RKKEARAAAL AAVAQDPAA SGAPSS

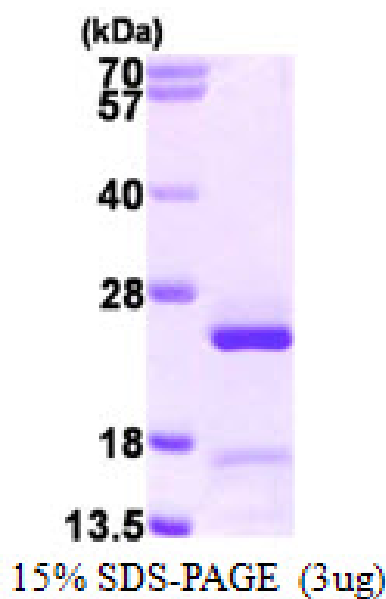
General References

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.