

GADD45GIP1 Human

Description: GADD45GIP1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 196 amino acids (48-222) and having a molecular mass of 22.6 kDa. GADD45GIP1 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: PRPS-979

For research use only.

Synonyms: Growth arrest and DNA-damage-inducible gamma interacting protein 1, PRG6, CRIF1, PLINP-1, KBBP2, Plinp1, Papillomavirus L2-interacting nuclear protein 1, CKII beta-associating protein, CR6-interacting factor 1, p53-responsive gene 6 protein, CKII beta bin

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHH SSGLVPRGSH MPRWQLGPRY AAKQFARYGA
ASGVVPGSLW PSPEQLRELE AEEREWYPSL ATMQESLRVK QLAEQKRRE REQHIAECMA
KMPQMIVNWQ QQQRENWEKA QADKERRARL QAEAQELLYG QVDPRSARFQ ELLQDLEKKE
RKRLKEEKQK RKKEARAAAL AAVAQDPAA SGAPSS

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

The GADD45GIP1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 0.2M NaCl and 40% glycerol.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

GADD45GIP1 is a nuclear protein which takes part in apoptosis control. GADD45GIP1 is expressed in several tissues, such as heart, thyroid, trachea, kidney, ovary, pancreas, testis and stomach and acts as a negative regulator of G1 to S phase cell cycle production by collaborating with GADD45 proteins to inhibit the activity of cyclin-dependent kinases.

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