
Product Data Sheet

Product Name: GADD45GIP1 Human
 Cat. No.: GP23529
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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 binding protein 2; growth arrest and DNA damage-inducible proteins-interacting protein 1; papillomavirus L2 interacting nuclear protein 1; PLINP1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MPRWQLGPRY AAKQFARYGA ASGVVPGSLW PSPEQLRELE AEEREWYPSL ATMQESLRVK QLAEQKRRE REQHIAECMA KMPQMIVNWQ QQQRENWEKA QADKERRARL QAEAQELLYG QVDPRSARFQ ELLQDLEKKE RKRLKEEKQK RKKEARAAAL AAAVAQDPAA SGAPSS		
Formulation	The GADD45GIP1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 0.2M NaCl and 40% glycerol.		

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.

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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

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