

Proliferation-associated protein 2G4 Recombinant Protein | PA2G4 recombinant protein

Recombinant Human Proliferation-associated protein 2G4

CATALOG # AAA38681	HOST E Coli
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PRODUCT SYNONYMS

Proliferation-associated protein 2G4; Recombinant Human Proliferation-associated protein 2G4; PA2G4 Human; Proliferation-associated protein 2G4 Human Recombinant; Cell cycle protein p38-2G4 homolog; hG4-1; ErbB3-binding protein 1; PA2G4; EBP1; p38-2G4; PA2G4 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The PA2G4 protein solution contains 20mM Tris-HCl buffer (pH8.0) and 10% glycerol. Sterile filtered colorless solution.
Sequence	MSGEDEQQEQ TIAEDLVTK YKMGGDIANR VLRLSVEASS SGVSVLSLCE KGDAMIMEET GKIFKKEKEM KKGIAFPTSI SVNNVCVCHFS PLKSDQDYIL KEGDLVKIDL GVHVDGFIAN VAHTFVVDVA QGTQVTGRKA DVIKAAHLCA EAALRLVKPG NQNTQVTEAW NKVAHSFNCT PIEGMLSHQL KQHVIDGEKT IIQNPTDQQK KDHEKAEFEV HEVYAVDVLV SSGEGKAKDA GQRTTIYKRD PSKYGLKMK TSRAFFSEVE RRFDAMPFTL RAFEDEKKAR MGVVECAKHE LLQPFNVLYE KEGEFVAQFK FTVLLMPNGP MRITSGPFEP DLYKSEMEVQ DAELKALLQS SASRKTQKKK KKKASKTAEN ATSGETLEEN EAGDLEHHHH HH
Sequence Length	394
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree 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.

ADDITIONAL INFORMATION

Related Product Information for PA2G4 recombinant protein	Description: PA2G4 produced in E Coli is a single, non-glycosylated polypeptide chain containing 402 amino acids (1-394 a.a.) and having a molecular mass of 44.8kDa. PA2G4 is fused to 8 amino acids His Tag at C-terminus and purified by proprietary chromatographic techniques. Introduction: PA2G4 belongs to the peptidase M24C family and functions as an RNA-binding protein involved in cellular proliferation and differentiation processes. PA2G4 is a component of pre-ribosomal ribonucleoprotein complexes, participating in ribosome assembly and regulating the later steps of rRNA processing. Also, PA2G4 interacts with ErbB-3 and may function as a modulator of the ErbB-3 mediated signal transduction pathway by regulating the effects of Neuregulin-1. Furthermore, PA2G4 is a transcriptional co-repressor of androgen receptor-regulated genes and other cell cycle regulatory genes through its interactions with histone deacetylases. PA2G4 is implicated in growth inhibition and the induction of differentiation of human cancer cells. In addition, PA2G4 mediates cap-independent translation of specific viral IRESs (internal ribosomal entry site). PA2G4 associates with 28S, 18S and 5.8S mature rRNAs, several rRNA precursors and probably U3 small nucleolar RNA.
Product Categories/Family for PA2G4 recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	124494254
NCBI GeneID	5036

NCBI Accession #	NP_006182.2
NCBI GenBank Nucleotide #	NM_006191.2
UniProt Accession #	Q9UQ80 ; O43846 ; Q9UM59
Molecular Weight	38,059 Da
NCBI Official Full Name	proliferation-associated protein 2G4
NCBI Official Synonym Full Names	proliferation-associated 2G4, 38kDa
NCBI Official Symbol	PA2G4
NCBI Official Synonym Symbols	EBP1; HG4-1; p38-2G4
NCBI Protein Information	proliferation-associated protein 2G4; ErbB-3 binding protein 1; ErbB3-binding protein Ebp1; cell cycle protein p38-2G4 homolog; erbB3-binding protein 1; proliferation-associated 2G4, 38kD
UniProt Protein Name	Proliferation-associated protein 2G4
UniProt Gene Name	PA2G4
UniProt Synonym Gene Names	EBP1; hG4-1
UniProt Entry Name	PA2G4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/pa2g4-recombinant-protein-e-coli/38681>