

Recombinant Human Proliferation-associated 2G4, 38kDa, His-tagged

Cat. No. PA2G4-2401H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PA2G4 protein, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques, 44.8kDa (402aa).
Species	Human
Source	E.coli
Description	PA2G4, also known as EBP1 (ErbB-3-binding protein 1), is a member of the peptidase M24C family and functions as an RNA-binding protein involved in cellular proliferation and differentiation processes. It is a component of pre-ribosomal ribonucleoprotein complexes, participating in ribosome assembly and regulating the later steps of rRNA processing. In addition, this protein 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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol.
Purity	> 95% by SDS – PAGE.
Concentration	1.0 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MSGEDQEQE TIAEDLVVTK YKMGGDIANR VLRSLVEASS SGVSVLSLCE KGDAMIMEET GKIFKKEKEM KKGIAFPTSI SVNNCVCHFS PLKSDQDYIL

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KEGDLVKIDL GVHVDGFAN VAHTFVVDVA QGTQVTGRKA DVIKAAHLCA
 EAALRLVKPG NQNTQVTEAW NKVAHSFNCT PIEGMLSHQL KQHVIDGEKT
 IIQNPTDQOK KDHEKAEFEV HEVYAVDVLV SSGEGKAKDA GQRTTIYKRD
 PSKQYGLKMK TSRAFFSEVE RRFDAMPFTL RAFEDEKKAR MGVVECAKHE
 LLQPFNVLYE KEGEFVAQFK FTVLLMPNGP MRITSGPFEP DLYKSEMEVQ
 DAELKALLQS SASRKTQKKK KKKASKTAEN ATSGETLEEN EAGDLEHHHH HH.

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

PA2G4 proliferation-associated 2G4, 38kDa [[Homo sapiens](#)]

Synonyms

proliferation-associated 2G4, 38kDa; EBP1; HG4-1; p38-2G4; PA2G4; erbB3-binding protein 1; ErbB-3 binding protein 1; ErbB3-binding protein Ebp1; cell cycle protein p38-2G4 homolog ; proliferation-associated 2G4, 38kD; Cell cycle protein p38-2G4 homolog; hG4-1

Gene ID

[5036](#)

mRNA Refseq

[NM_006191](#)

Protein Refseq

[NP_006182](#)

MIM

[602145](#)

UniProt ID

[Q9UQ80](#)

**Chromosome
Location**

12q13.2

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Function

DNA binding; RNA binding; protein binding; transcription factor activity; ubiquitin
protein ligase binding

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