

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

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

## SPECIFICATION

<b>Product Overview</b>	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).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Form</b>	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol.
<b>Purity</b>	> 95% by SDS – PAGE.
<b>Concentration</b>	1.0 mg/ml (determined by Bradford assay).
<b>Sequences Of Amino Acids</b>	MSGEDQEQEQ TIAEDLVVTK YKMGGDIANR VLRSLVEASS SGVSVLSLCE KGDAMIMEET GKIFKKEKEM KKGIAFPTSI SVNNCVCHFS PLKSDQDYIL

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KEGDLVKIDL GVHVDGFIAN VAHTFVVDVA QGTQVTGRKA DVIKAAHLCA  
 EAALRLVKPG NQNTQVTEAW NKVAHSFNCT PIEGMLSHQL KQHVIDGEKT  
 IIQNPTDQQK 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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