

Recombinant human PA2G4 protein

Catalog Number: ATGP0547

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-394aa

UniProt No.

Q9UQ80

NCBI Accession No.

NP_006182

Alternative Names

Proliferation-associated protein 2G4, EBP1, HG4-1, p38-2G4, Proliferation-associated protein 2G4 38kDa, AA672939, Cell cycle protein p38 2G4 homolog, ErbB-3 binding protein 1, ErbB3 binding protein 1 ErbB3-binding protein Ebp1, hG4 1, IRES-specific cellular trans-acting factor 45 kDa, MGC81621, MGC94070, Mpp1.M545, p38 2G4, PA2G4, Plfap, Proliferation associated 2G4, zgc:86732, Proliferation associated 2G4, 38-KD, Proliferation-associated 2G4, 38kDa, Proliferation-associated 2G4, a, Proliferation-associated protein 1 Protein p38-2G4, si:dz150i12.2, wu:fb19b11, wu:ft56d05,

PRODUCT SPECIFICATION

Molecular Weight

44.8 kDa (402aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

PA2G4, also known as EBP1 (ErbB-3-binding protein 1), is a member of the peptidase M24C family and functions

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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. Recombinant human PA2G4 protein, fused to His-tag at C-terminus, was expressed in *E. coli* and purified by using conventional chromatography techniques.

Amino acid Sequence

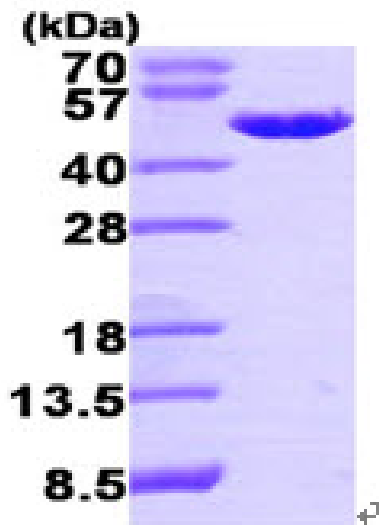
MSGEDEQQEQ TIAEDLVVTK YKMGGDIANR VLRSLVEASS SGVSVLSLCE KGDAMIMEET GKIFKKEKEM KKGIAFPTSI
SVNNVCVCHFS PLKSDQDYIL KEGDLVKIDL GVHVDGFIAN VAHTFVVDVA QGTQVTGRKA DVIKAAHLCA EAALRLVKPG
NQNTQVTEAW NKVAHSFNCT PIEGMLSHQL KQHVIDGEKT IIQNPTDQQK KDHEKAEFEV HEVYAVDVLV SSGEGKAKDA
GQRTTIYKRD PSKQYGLKMK TSRAFFSEVE RRFDAMPFTL RAFEDEKKAR MGVVECAKHE LLQPFNVLYE KEGEFVAQFK
FTVLLMPNGP MRITSGPFEP DLYKSEMEVQ DAELKALLQS SASRKTQKKK KKKASKTAEN ATSGETLEEN EAGDLEHHHH
HH

General References

Lamartine J. et al. (1997) *Cytogenet Cell Genet.* 78(1):31-5
Yoo JY. et al. (2000) *Br J Cancer.* 82(3):683-90.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)