

Recombinant Human PA2G4, His-tagged

Cat. No. PA2G4-27966TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human EBP1 with a C terminal His tag ; predicted mwt: 45 kDa;
Species	Human
Source	E.coli
Description	This gene encodes an RNA-binding protein that is involved in growth regulation. This protein is present in pre-ribosomal ribonucleoprotein complexes and may be involved in ribosome assembly and the regulation of intermediate and late steps of rRNA processing. This protein can interact with the cytoplasmic domain of the ErbB3 receptor and may contribute to transducing growth regulatory signals. This protein is also a transcriptional co-repressor of androgen receptor-regulated genes and other cell cycle regulatory genes through its interactions with histone deacetylases. This protein has been implicated in growth inhibition and the induction of differentiation of human cancer cells. Six pseudogenes, located on chromosomes 3, 6, 9, 18, 20 and X, have been identified.
Conjugation	HIS
Tissue specificity	Expressed in several cell lines tested, including primary and transformed cell lines.
Form	Liquid
Purity	>95% by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MSGEDEQQEQ TIAEDLVVTK YKMGGDIANR VLRSLVEASS SGVSVLSLCE KGDAMIMEET GKIFKKEKEM KKGIAFPTSI SVNNCVCHFS 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
Sequence Similarities	Belongs to the peptidase M24 family.
Full Length	Full L.

GENE INFORMATION

Gene Name	PA2G4 proliferation-associated 2G4, 38kDa [Homo sapiens]
Official Symbol	PA2G4
Synonyms	PA2G4; proliferation-associated 2G4, 38kDa; proliferation associated 2G4, 38kD; proliferation-associated protein 2G4;
Gene ID	5036
mRNA Refseq	NM_006191

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Protein Refseq	NP_006182
MIM	602145
Uniprot ID	Q9UQ80
Chromosome Location	12q13.2
Pathway	Androgen Receptor Signaling Pathway, organism-specific biosystem; Coregulation of Androgen receptor activity, organism-specific biosystem;
Function	DNA binding; RNA binding; protein binding; sequence-specific DNA binding transcription factor activity; ubiquitin protein ligase binding;

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