

## Recombinant Human PA2G4, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human EBP1 with a C terminal His tag ; predicted mwt: 45 kDa;
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	<p>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.</p>
<b>Conjugation</b>	HIS
<b>Tissue specificity</b>	Expressed in several cell lines tested, including primary and transformed cell lines.
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE

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<b>Storage buffer</b>	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, pH 8.0
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Sequences of amino acids</b>	<p>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</p>
<b>Sequence Similarities</b>	Belongs to the peptidase M24 family.
<b>Full Length</b>	Full L.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	PA2G4 proliferation-associated 2G4, 38kDa [ Homo sapiens ]
<b>Official Symbol</b>	PA2G4
<b>Synonyms</b>	PA2G4; proliferation-associated 2G4, 38kDa; proliferation associated 2G4, 38kD; proliferation-associated protein 2G4;
<b>Gene ID</b>	5036
<b>mRNA Refseq</b>	NM_006191

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

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