

## Product datasheet for **TP310230**

### EBP1 (PA2G4) (NM\_006191) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human proliferation-associated 2G4, 38kDa (PA2G4), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC210230 representing NM\_006191

**Red**=Cloning site **Green**=Tags(s)

MSGEDEQQEQTIAEDLVVTKYKMGDIANRVLRSLSVEASSGVSLSLCEKGDAMIMEETGKIFKKEKEM  
 KKGIAFPTSISVNNCVCHFSPKSDQDYILKEGDLVKIDLVHVDGFIANVAHTFVVDVAQGTQVTGRKA  
 DVIKAAHLCAEAALRLVKPGNQNTQVTEAWNKVVAHSFNCTPIEGMLSHQLKQHVIDGEKTIIQNPDTQQK  
 KDHEKAEFEVHEVYAVDVLVSSGEGKAKDAGQRTTIYKRDPKQYGLKMKTSRAFFSEVERRFDAMPFTL  
 RAFEDEKKARMGVVECAKHELLQPFNVLYEKEGEFVAQFKFTVLLMPNGPMRITSGPFEPDLYKSEMEVQ  
 DAELKALLQSSASRKTQKKKKKKASKTAENATSGETLEENEAGD

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 43.6 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_006182](#)

**Locus ID:** 5036



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UniProt ID: [Q9UQ80](#), [A0A024RB85](#)

RefSeq Size: 2643

Cytogenetics: 12q13.2

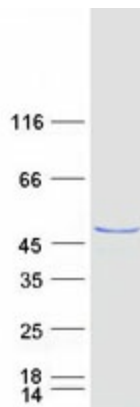
RefSeq ORF: 1182

Synonyms: EBP1; HG4-1; p38-2G4

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Protease, Stem cell - Pluripotency

### Product images:



Coomassie blue staining of purified PA2G4 protein (Cat# TP310230). The protein was produced from HEK293T cells transfected with PA2G4 cDNA clone (Cat# [RC210230]) using MegaTran 2.0 (Cat# [TT210002]).