

## Product datasheet for **RG210230**

### EBP1 (PA2G4) (NM\_006191) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EBP1 (PA2G4) (NM_006191) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PA2G4
Synonyms:	EBP1; HG4-1; p38-2G4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210230 representing NM_006191 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGGGCGAGGACGAGCAACAGGAGCAAATATCGCTGAGGACCTGGTCGTGACCAAGTATAAGATGG  
GGGGCGACATCGCCAACAGGGTACTTCGGTCTTGGTGGAAAGCATCTAGCTCAGGTGTGTCGGTACTGAG  
CCTGTGTGAGAAAGGTGATGCCATGATTATGGAAGAAACAGGGAAATCTCAAGAAAGAAAAGGAAATG  
AAGAAAGGTATTGCTTTCCACCAGCATTTCGGTAAATAACTGTGTATGTCACCTCTCCCTTTGAAGA  
GCGACCAGGATTATTTCTCAAGGAAGGTGACTTGGTAAAAATTGACCTGGGGTCCATGTGGATGGCTT  
CATCGCTAATGTAGCTCACACTTTTGTGGTTGATGTAGCTCAGGGGACCCAAGTAACAGGGAGGAAAGCA  
GATGTTATTAAGGCAGCTCACCTTTGTGCTGAAGCTGCCCTACGCCTGGTCAAACCTGGAATCAGAACA  
CACAAGTGACAGAAGCCTGGAACAAAGTTGCCACTCATTTAACTGCACGCCAATAGAAGGTATGCTGTC  
ACACCAGTTGAAGCAGCATGTCAATCGATGGAGAAAAACCATTATCCAGAATCCCACAGACCAGCAGAAG  
AAGGACCATGAAAAAGCTGAATTTGAGGTACATGAAGTATATGCTGTGGATGTTCTCGTCAGCTCAGGAG  
AGGGCAAGGCCAAGGATGCAGGACAGAGAACCCTATTTACAAACGAGACCCCTCAAACAGTATGGACT  
GAAAATGAAAACCTCACGTGCCTTCTTCAGTGAGGTGGAAGGCGTTTTGATGCCATGCCGTTTACTTTA  
AGAGCATTTGAAGATGAGAAGAAGGCTCGGATGGGTGGTGGAGTGCCCAAACATGAAGTGTGCACTGCA  
CATTTAATGTTCTCTATGAGAAGGAGGGTGAATTTGTTGCCAGTTTAAATTTACAGTTCTGCTCATGCC  
CAATGGCCCCATGCGGATAACCAGTGGTCCCTTCGAGCCTGACCTCTACAAGTCTGAGATGGAGGTCCAG  
GATGCAGAGCTAAAGGCCCTCTCCAGATTCTGCAAGTCGAAAAACCCAGAAAAAGAAAAAAGAAGG  
CCTCCAAGACTGCAGAGAATGCCACCAGTGGGAAACATTAGAAGAAAATGAAGCTGGGGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



View online »

**Protein Sequence:** >RG210230 representing NM\_006191  
 Red=Cloning site Green=Tags(s)

MSGEDEQQEQTIAEDLVVTKYKMGGDIANRVLRLSLVEASSSGVSVLSLCEKGDAMIMEETGKIFKKEKEM  
 KKGIAFPTSISVNNVCVCHFSP LKSDQDYILKEGDLVKIDLGVHVDGFIANVAHTFVVDVAQGTQVTGRKA  
 DVIKAAHLCAEALRLVKPGNQNTQVTEAWNKVVAHSFNCTPIEGMLSHQLKQHVIDGEKTI IQNPTDQQK  
 KDHEKAEFEVHEVYAVDVLVSSGEGKAKDAGQRTTIYKRDPKQYGLKMKTSRAFFSEVERRFDAMPFTL  
 RAFEDEKKARMGVVECAKHELLQPFNVLYEKEGEFVAQFKFTVLLMPNGPMRITSGPFEPDLYKSEMEVQ  
 DAELKALLQSSASRKTQKKKKKASKTAENATSGETLEENEAGD

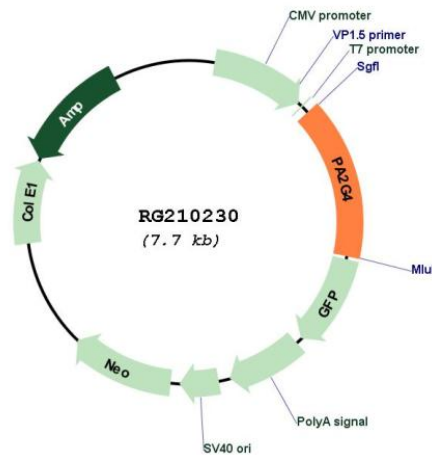
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_006191

<b>ORF Size:</b>	1182 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_006191.3</a>
<b>RefSeq Size:</b>	2643 bp
<b>RefSeq ORF:</b>	1185 bp
<b>Locus ID:</b>	5036
<b>UniProt ID:</b>	<a href="#">Q9UQ80</a>
<b>Cytogenetics:</b>	12q13.2
<b>Domains:</b>	Peptidase_M24
<b>Protein Families:</b>	Druggable Genome, Protease, Stem cell - Pluripotency
<b>Gene Summary:</b>	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]