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Product datasheet for SC116300

EBP1 (PA2G4) (NM_006191) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EBP1 (PA2G4) (NM_006191) Human Untagged Clone
Tag:	Tag Free
Symbol:	EBP1
Synonyms:	EBP1; HG4-1; p38-2G4
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC116300 sequence for NM_006191 edited (data generated by NextGen Sequencing)

ATGTCGGGCGAGGACGAGCAACAGGAGCAAACTATCGCTGAGGACCTGGTCGTGACCAAG
TATAAGATGGGGGGCGACATCGCCAACAGGGTACTTCGGTCCTTGGTGGAAGCATCTAGC
TCAGGTGTGTCGGTACTGAGCCTGTGTGAGAAAGGTGATGCCATGATTATGGAAGAAACA
GGGAAAATCTTCAAGAAAGAAAAGGAAATGAAGAAAGGTATTGCTTTTCCCACCAGCATT
TCGGTAAATAACTGTGTATGTCACTTCTCCCCTTTGAAGAGCGACCAGGATTATATTCTC
AAGGAAGGTGACTTGGTAAAAATTGACCTTGGGGTCCATGTGGATGGCTTCATCGCTAAT
GTAGCTCACACTTTTGTGGTTGATGTAGCTCAGGGGACCCAAGTAACAGGGAGGAAAGCA
GATGTTATTAAGGCAGCTCACCTTTGTGCTGAAGCTGCCCTACGCCTGGTCAAACCTGGA
AATCAGAACACACAAGTGACAGAAGCCTGGAACAAAGTTGCCCACTCATTTAACTGCACG
CCAATAGAAGGTATGCTGTCACACCAGTTGAAGCAGCATGTCATCGATGGAGAAAAAACC
ATTATCCAGAATCCCACAGACCAGCAGAAGAAGGACCATGAAAAAGCTGAATTTGAGGTA
CATGAAGTATATGCTGTGGATGTTCTCGTCAGCTCAGGAGAGGGCAAGGCCAAGGATGCA
GGACAGAGAACCACTATTTACAAACGAGACCCCTCTAAACAGTATGGACTGAAAATGAAA
ACTTCACGTGCCTTCTTCAGTGAGGTGGAAAGGCGTTTTGATGCCATGCCGTTTACTTTA
AGAGCATTTGAAGATGAGAAGAAGGCTCGGATGGGTGTGGTGGAGTGCGCCAAACATGAA
CTGCTGCAACCATTTAATGTTCTCTATGAGAAGGAGGGTGAATTTGTTGCCCAGTTTAAA
TTTACAGTTCTGCTCATGCCCAATGGCCCCATGCGGATAACCAGTGGTCCCTTCGAGCCT
GACCTCTACAAGTCTGAGATGGAGGTCCAGGATGCAGAGCTAAAGGCCCTCCTCCAGAGT
TCTGCAAGTCGAAAAACCCAGAAAAAGAAAAAAAAGAAGGCCTCCAAGACTGCAGAGAAT
GCCACCAGTGGGGAAACATTAGAAGAAAATGAAGCTGGGGACTGA

Clone variation with respect to NM_006191.2

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006191 unedited
GGGCTGGATTAGAAAACCGATTCACTATAGGCGGCCGCGCAATTCGCACGAGGCTTGCTT
GTTCGCGCTTTCGCTCGCCCTCTCCTCGAGGATCGAGGGGACTCTGACCACAGCCTGTGG
CTGGGAAGGGAGACAGAGGCGGCGGCGGCTCAGGGGAAACGAGGCTGCAGTGGTGGTAGT
AGGAAGATGTCGGGCGAGGACGAGCAACTTTTTTTTACTATCGCTGAGGACCTGGTCGTG
ACCAAGTATAAGATGGGGGGCGACATCTCCAACAGGGTACTTCGGTCCTTGGTGGAAGCA
TCTAGCTCAGGTGTGTCGGTACTGAGCCTGTGTGAGAAAGGTGATGCCATGATTATGGAA
GAAACAGGGAAAATCTTCAAGAAAGAAAAGGAAATGAAGAAAGGTATTGCTTTTCCCACC
AGCATTTCGGTAAATAACTGTGTATGTCACTTCTCCCCTTTGAAGAGCGACCAGGATTAT
ATTCTCAAGGAAGGTGACTTGGTAAAAATTGACCTTGGGGTCCATGTGGATGGCTTCATC
GCTAATGTAGCTCACACTTTTGTGGTTGATGTAGCTCAGGGGACCCAAGTAACAGGGAGG
AAAGCAGATGTTATTAAGGCAGCTCACCTTTGTGCTGAAGCTGCCCTACGCCTGGTCAAA
CCTGNAAATCAGAACACACAAGTGACAGAAGCCTGNAACAAAGTTGCCCACTCATTTAAC
TGCACGCCAATAGAAGGTATGCTGTCACACCCGTTGAAGCAGCATGTCATCGATGGAGAA
AAACCATTATCCAGAATCCACAGACCAGCAGAAGAAGACCATGAAAAAGCTGATTTGAGT
ACATGAATATATGCTGTGGATGTTCTCGTCAGCTCAGGAGAAGGCCAGGCCCAAGATGCC
NGACAGAGAACCCTTTTTACAACGAGCAN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006191 unedited
ACCGCGGCCGCAATCTANAGTCGAGNNNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTAAACTTGGACTCCTGATTTTATTATTCAATTTCTTTTTTTCATTTAAAGGAG
TCTTCCGGGGTTGGGAAGCCTCACCTCCCAAAACCAAAGTCAGTTGGAGCTGGTTGTTGT
TGGAAGGGAGTGGGTTGGGGAACTGGGGTGGGGGCAGGGAAATCCCCCCGCTTTGCTGGC
GGTCCTAGGGGGAAAAAAACTGCACTTCACAAATTTTGGGGTTTGGTGGGAAGGGGATGA
GGCAGGACCATTAAGCTGGGGAAATGGGACCCACCTTAGTCCCCAGCTTCATTTCCTTCT
AACGCCTCCCCACTGGGGGCATTTTCTGCAGTCTTGGAGGCCTTCTTTTTTTTTTTTTTC
CGGGCCTTTCCCCTCGCCCAACTCCGGCGGAGGGCTTTTACCTCTGCCTCCTGGACTTCC
ATCCGAAACTTGTACAGGTCACGTTCGAATGGACCACTGGCTCCCTCCCTGGGCCTATCG
GGCCTGACCTTCATTGCTTCTCCAACCCGGTCACCACACTCCCCTTCTTTTTCATTGACA
ACCTTTATTGGTTCGTTCCATCTCCGCATTGCCTACTTCCCTCACCCTCTTCCTTTTTCT
CCTTTCTTTTTTTACCCCCTCTGTCCTCCATTCCTTTGCCTTTCCCATTCCTCTGTCCCT
TCCTCCTTCGACCGATCTCTCCCATTTCTCTTCCCTCTTTTCCCCCGCTCCCCCGCGTTT
TCGTTTCCCCCTCTATTCCATCCCCACTCTCCCCCTCTTCCTCCGTCTCGCCCCCCCCGT
CTGTCGCCTCTCTCTTTTTTCCGCCCCCCGTTCCCGCCCCGCCACCCGCCGCCTCTCCCA
TCACCCTTTTTCCGTCCCGCGGATTTCACCTTCTTCCCTTCCCCTTCCTTTCCGCTTTCT
CCCCCGCCCCCGTTCCTTATCTCGTACACTCTCACTCCGTTCACCGTGTCCCCCTTCTCC
CACCCTCGCTCTCCTCCGCCTCTTGCTGTTCATT

Restriction Sites: NotI-NotI

ACCN: NM_006191

Insert Size: 1650 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: 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).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_006191.1, NP_006182.1
RefSeq Size:	1697 bp
RefSeq ORF:	1185 bp
Locus ID:	5036
UniProt ID:	Q9UQ80
Cytogenetics:	12q13.2
Domains:	Peptidase_M24
Protein Families:	Druggable Genome, Protease, Stem cell - Pluripotency
Gene 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]