

Product datasheet for **RR213853**

Pa2g4 (NM_001004206) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pa2g4 (NM_001004206) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pa2g4
Synonyms: Ebp1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR213853 representing NM_001004206
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTGGGCGAAGACGAGCAGCAGGAGCAAATATCGCCGAGGACCTGGTCGTGACCAAGTATAAGATGG
GGGGCGACATCGCAACCGGGTCTTCGATCTTTGGTGGAAAGCTTCTAGCTCAGGTGTGTCTGTACTGAG
CTTGTGTGAGAAAGGTGACGCCATGATTATGGAAGAGACAGGGAAGATCTCAAGAAGGAGAAGGAGATG
AAGAAAGGTATTGCCTTTCTACCAGCATTCCGTAAATAACTGTGTGTGTCACCTTCTCCCTTTGAAGA
GTGACCAGGACTATATACTCAAGGAAGGCGACTTGGTAAAAATTGACCTTGGGGTTCATGTGGATGGCTT
CATTGCCAACGTGGCTCACACTTTTGAATTGGTGTAGCTCAGGGGTCCCAGGTAACAGGTCCGAAAGCA
GATGTCATTAAGGCTGCTCACTTATGTGCCGAAGCTGCTTACGACTGGTCAAACCTGGAACCAGAAACA
CACAAGTGACAGAAGCCTGGAACAAAGTCGCTCATTCAATTAAGTGCACGCCAATAGAAGGTATGCTGTC
ACACCAGTTGAAGCAGCATGTGATTGATGGAGAGAAAACCATTATCCAGAATCCTACAGACCAGCAGAAG
AAGGACCACGAAAAGGCAGAATTTGAAGTGCATGAGGTTTATGCTGTGGATGTCCTCGTCAGCTCAGGAG
AAGGCAAGGCCAAAGATGCAGGACAGAGAACCACATTTACAAGCGAGACCCCTCTAAACAATATGGCCT
GAAAATGAAAACCTCACGTGCCTTTTTCAGTGAGGTGGAAGGCGTTTTGATGCTATGCCCTTTACTTTA
AGAGCATTGAGGATGAGAAGAAGGCTCGAATGGGTGGTGGAGTGCGCCAAGCATGAGTTACTACAGC
CATTCAACGTTCTCTATGAGAAGGAGGGTGAAGTTTGTGCCAGTTTAAATTTACAGTTCTACTCATGCC
CAATGGCCCCATGCGGATAACCAGTGGTCCCTTTGAGCCCGACCTGTACAAGTCTGAGATGGAGGTTTCAG
GATGCAGAGCTGAAGGCTCTTCTCCAGAGCTCTGCAAGTCGAAAAACCCAGAAAAAGAAGAAAAAGAGG
CCTCCAAGACTGCAGAGAACGCCACCAGTGGAGAGACATTAGAGGAGAATGGAGCTGGGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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MSGEDEQQEQTIAEDLVVTKYKMGGDIANRVLRLSLVEASSSGVSVLSLCEKGDAMIMEETGKIFKKEKEM
 KKGIAFPTSISVNNVCVCHFSPKSDQDYILKEGDLVKIDLGVHVDGFIANVAHTFVIGVAQGSQVTGRKA
 DVIKAAHLCAEALRLVKPGNQNTQVTEAWNKVVAHSFNCTPIEGMLSHQLKQHVIDGEKTIIQNPTDQQK
 KDHEKAEFVHEVYAVDVLVSSGEGKAKDAGQRTTIYKRDPSKQYGLKMKTSRAFFSEVERRFDAMPFTL
 RAFEDEKKARMGVVECAKHELLQPFNVLYEKEGEFVAQFKFTVLLMPNGPMRITSGPFEPDLYKSEMEVQ
 DAELKALLQSSASRKTQKKKKKASKTAENATSGETLEENGAGD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

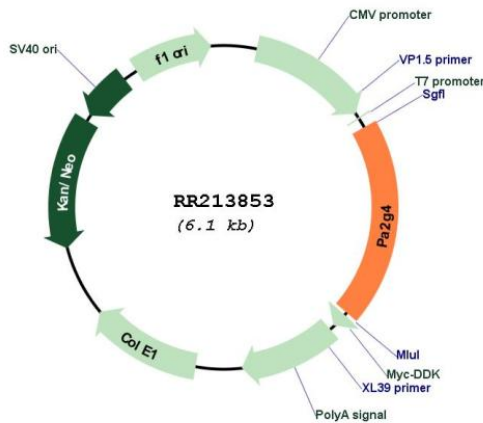
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001004206

ORF Size:	1182 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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.
RefSeq:	NM_001004206.1 , NP_001004206.1
RefSeq Size:	1602 bp
RefSeq ORF:	1185 bp
Locus ID:	288778
UniProt ID:	Q6AYD3
Cytogenetics:	7q11
MW:	43.7 kDa
Gene Summary:	human and mouse homologs may be involved in coordinating ribosome biosynthesis and cell proliferation [RGD, Feb 2006]