

Product datasheet for **RR213165**

Eif4ebp1 (NM_053857) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eif4ebp1 (NM_053857) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Eif4ebp1
Synonyms: PHAS-I
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR213165 representing NM_053857
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCGGCGGGCAGCAGTTGCAGCCAGACTCCCAGCCGGGCTATCCCCACTCGCCGCTAGCCCTCGGCG
ACGGCGTGCAGCTCCCGCCGGGGACTACAGCACCACCCCGCGGCACGCTCTTCAGCACCACCCCGGG
AGGAACCAGAATCATCTATGACCGAAATTCCTGATGGAGTGTCCGAACTCGCCTGTGGCCAAAACACCC
CCAAAGGACCTGCCAACCATTCCAGGGTCACTAGCCCTACCAGCGATGAGCCTCCCATGCAGGCCAGCC
AGAGCCATCTGCACAGCAGCCCGAAGATAAGCGGGCAGGTGGTGAAGAGTCACAGTTTGAGATGGACAT
TT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213165 representing NM_053857
Red=Cloning site Green=Tags(s)

MSAGSSCSQTPSRAIPTRRVALGDGVQLPPGDYSTTPGGTLFSTTPGGTRIIYDRKFLMECRNSPVAKTP
PKDLPTIPGVTSPTSDEPPMQASQSHLHSSPEDKRAGGEESQFEMDI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1511_a03.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_053857

ORF Size: 351 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:**
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_053857.2](#), [NP_446309.1](#)

RefSeq Size: 862 bp

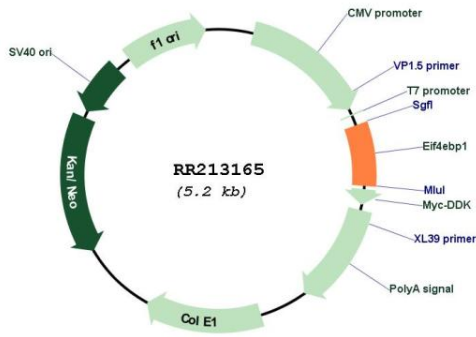
RefSeq ORF: 354 bp

Locus ID: 116636

UniProt ID: [Q62622](#)

Cytogenetics: 16q12.3
MW: 12.4 kDa
Gene Summary: forms a complex with eukaryotic initiation factor-4E (eIF-4E) and is an intracellular target for insulin and growth factors [RGD, Feb 2006]

Product images:



Circular map for RR213165