

Product datasheet for **RR212846**

Eif2ak3 (NM_031599) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eif2ak3 (NM_031599) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eif2ak3
Synonyms:	PEK
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR212846 representing NM_031599 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RR212846 representing NM_031599
 Red=Cloning site Green=Tags(s)

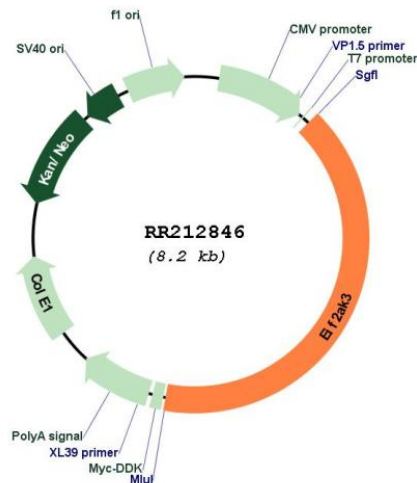
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_031599

ORF Size: 3324 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:	<u>NM_031599.2</u> , <u>NP_113787.1</u>
RefSeq Size:	4509 bp
RefSeq ORF:	3327 bp
Locus ID:	29702
UniProt ID:	<u>Q9Z1Z1</u>
Cytogenetics:	4q31
MW:	124.8 kDa
Gene Summary:	kinase that phosphorylates eukaryotic initiation factor 2alpha; has an important role in translational control [RGD, Feb 2006]