

Product datasheet for **RN209421**

Eif2ak1 (NM_013223) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eif2ak1 (NM_013223) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Eif2ak1
Synonyms:	Hri
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN209421 representing NM_013223
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGGGGGCGCTCCGTGGATGGCGAGCGCACACGGACGACGACGCGGGCGGGGGCGGTGGCCGCGC
 CTCTGCCATCGACTTCCCCGAGAGGTGTCGGACCCCAAGTATGATGAGTCCGATGTCCCAGCAGAGCT
 CCAAGTGTCAAAGAGCCCTTGCAGCAGCCACGTTCCCTTTCTTAGTGGCAAACCAGCTGCTGTGGTC
 TCCTTGCTGGAACACTTGAGCCATGTGCACGAGCCGAACCCACTTCACTCAAAACAGGTCTTTAAATTAC
 TGTGCCAGACTTTTATCAAGATGGGGCTGCTCTCTTCTTTACCTGCAGCGATGAGTTCAGCTCCCTGAG
 ACTCCACCACAACAGAGCCATCACTCATTTAATGAGGTCTGCCAAGGAGAGAGTCCGTCAGGATCCTTGT
 CAAGATAATTCTTACATGCAGAAAATCAGATCCAGGGAGATAGCTCTCGAAGCACAGACTTCACGCTACT
 TAAATGAATTTGAAGAGCTCGCCATCTTAGGAAAAGGCGGATATGGAAGAGTTTACAAGTCCGGAACAA
 ATTAGATGGTCAGCATTATGCAATTAAGAAAATCCTGATTAAGAGTGCAACTAAAACGGATTGTATGAAG
 GTGCTACGGGAAGTGAAGGTTCTGGCAGGCCTCCAGCACCCCAATATCGTTGGCTACCACACTGCATGGA
 TAGAGCACGTTACGTGCTTCAGCCACAGACAGAGTCCCATCAACTGCCCTCTCTTGAAGTGTGTGC
 AGAGCATGAAGGGGACAGAAATCAAGGTGGTGTAAAGATAATGAAAGCAGTTCGTCCATTATCTTTGCT
 GAACTACCCAGAAAAGAAAACCCCTTAGCGGAATCTGATGTTAAGAATGAGAATAACAACCTGGTGA
 GCTACAGGGCCAACTTAGTGATCAGGAGCAGCAGTGAAGCGAATCGTCCATTGAGCTCCAAGAAGATGG
 CTTGAACGAGTCGCCTCTCAGACCAGTTGTCAAGCACCAGTCCCGTGGGGCATAGCTCAGACGTGGAA
 GGAATTTTACCTCCACGGATGAGTCTTCTGAAGACAATTTGAACCTGCTGGGGCAGACAGAGGCGCGGT
 ACCACCTGATGCTGCACATCCAGATGCAGCTGTGTGAGCTCTCCCTGTGGGACTGGATAGCTGAGAGGAA
 CAAGCGGAGCCGGAAGTGCCTGGATGAAGCAGCTTGCCCTATGTTATGGCCAGTGTGCAACAAAGATT
 TTTCAAGAACTGGTGAAGGTGTCTTTACATACATAACATGGGCATCGTCCACAGAGATCTGAAGCCTA
 GAAATATTTTTCTTCATGGTCTGATCAACAAGTAAAAATAGGAGACTTTGGTCTGGCCTGTGCAGACAT
 CATTGAGAAGAGCGCAGATTGGACCAACAGAAACGGGAAAGGAACGCCGACACACACGTCGCCGAGTGGGG
 ACTTGTCTCTACGCGTCACCTGAGCAGTTGGAAGGATCCGAGTATGATGCCAAGTCTGATATGTACAGCT
 TGGGTGTGATCCTGCTCGAGCTTCCAGCCATTCGGGACAGAAATGGAGCGAGCAACAGTCCTAACAGG
 TGTGAGGACTGGTCGGATACCAGAGTCCCTCAGTAAAAGGTGTCCAGTGAAGCAAGTATATCCAGCTC
 CTGACTGGGAGGAACCGGCCCCAGAGACCATCTGCTCTCAGCTACTGCAGAGCGAACTGTTCCAACAA
 CGGGAAATGTTAATCTCACATTGCAGATGAAGATAATGGAGCAAGAAAAGGAAATGAAGAATTAAGAA
 GCAACTAAGCCTCCTTTCGACAGGACAAAGGGCTGAAGAGAT**G**A

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM_013223
- Insert Size:** 1863 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.

RefSeq: [NM_013223.1](#), [NP_037355.1](#)

RefSeq Size: 2145 bp

RefSeq ORF: 1863 bp

Locus ID: 27137

UniProt ID: [Q63185](#)

Cytogenetics: 12p11

Gene Summary: protein kinase, negatively regulated by hemin; may play an important role in translational control of protein synthesis [RGD, Feb 2006]