

Product datasheet for **MC204229**

Eif1a (NM_010120) Mouse Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Eif1a (NM_010120) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Eif1a |
| Synonyms: | C76390; Ef1a; Eftu; eIF-1A; eIF-4C; Eif4c |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC027437
 GTCGTCTCTCTGCTCGTCCGGCTGTGACGGGGAAGGGGTCCCCTGCATTTTGGTCACTACACAGGAGGA
 GACCACACCTTCCGGAGAACCAGGCCAGAACCGAAGTACTATTTTGTAGCTCTCAGAAGCCAGGACTCTG
 CAACACTGTTTGTCTGCCTGTGGATCTTCTACATTCACAGTGTCCCAGTTGCTTCTGATCTACCACTGTTA
 GATACTTCTGCCACCCATCCTAAGAGTATAGTTGTTCTTGAAAGGAGTCTCAGCTGCTGCAGCAGGAG
 TCCCTCATTGACTCCTGTGGTTGCCCTTCCATCATGCCAAAGAATAAAGGCAAAGGCAAAAACAG
 GCGCAGAGGTAAAAATGAAAATGAATCTGAGAAAAGAGAGTTGGTGTAAAAGAGGATGGCAGGAGTAT
 GCTCAGGTGATCAAAATGCTGGGAAATGGACGGTTGGAAGCAATGTGCTTTGACGGTGTGAGGAGGCTGT
 GCCACATAAGAGGGAAGCTGAGAAAAAAGTTGGATAAAATACCTCGACATTATATTGATTGGTCTACG
 AGACTATCAAGATAACAAAGCTGATGTAATCTTAAAGTATAATGCAGATGAAGCAAGAAGCTGAAGGCC
 TATGGAGAACTCCAGAACATGCCAAAATCAATGAAACGGACACATTTGGTCTGGGGATGATGATGAAA
 TCCAATTTGATGATATTGGAGATGATGATGAAGACATTGATGACATCTAGCCTGACCTAAGCATGCTACC
 TTCCAAGTTCTCTGAAGATAGCTCCACACACTGGCATCTTGACCTTCATCTGTTAAGTAAAACCTTTATGG
 CATGTGTATGACTTGTTAATGCAAGCTAATGAATTTTATTTTTTGAAGTACTATATTTCTTTGAAAACCA
 AAGATGTTGAGTTATCTTAAGTGACATGTTAACTTTTGTGCTTTTGAATATAATTGAACCTAGCGCACA
 GCAGTGAGCACTGTTAAGAACTGCCTTTCCATTTGTAGCTTCATTTCTGGCACGGGAGTGTGTTGTGTC
 AGCAGTTCTGCCAGGTGGCCATCGTGGGCTGAATGAAGTACGTCCTAGTCCAGCACATCTGCTTCAGGCC
 TTTGACTCTAGTCATCTGGCTGCGTTTGGGCTTCTCAGCGGACTTACAGATGTGTACGGCTGCACTTG
 GAGTCAGACAAGATATGGCTACTTTTGTACTTATGGAGCCATGCCATTTTATACTTTTACGTTGTATACA
 TTCGTATGATCCTTTAAGTTGTTGCCACCATAAAAAGGCATCTTACAGTGCAGTTTTTAAATTACATGG
 GTAGCAATTTTGAAGTTTAAAAATAGTTCATTGCAGAAATTAATACTTACAGGAGATAATCCATTATCT
 TGACTTTAGGAATATAATAGTTGACAATGTTTATATAATTTTACTTCTAAGGCATACCCAAAAATA
 GAAAATGAAAAGAGCAGTGAGTCTGTTCTGATGCTTGCATTGCATAGGGAAGTTTTCCAACAAAGCAGCT
 GTTAATAACACATAAAAATATGTTTTACTTTGCAAAGTAGGTTGTGTTAAGTCGTTTTTCAAAAAGTTACCT
 ACTGTATCGAGGCTCTGGATAAATTAATGTTGATTAAAGTTAGTTACAGAATTGTACAGCTAAGTT
 TTCCTTAAACTAAGCTTAGGTTAAAGGGAGAGGAGCCACAGCTCAATGAAAAACCGGTTCTGTTTTCTA
 AATGGAGGCGCCAGAAACACAATAAACATGTTGGTACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_010120

Insert Size: 435 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: [BC027437](#), [AAH27437](#)

RefSeq Size: 1853 bp

RefSeq ORF: 435 bp

Locus ID: 13664

UniProt ID: [Q60872](#)

Cytogenetics: 18 C

Gene Summary: Seems to be required for maximal rate of protein biosynthesis. Enhances ribosome dissociation into subunits and stabilizes the binding of the initiator Met-tRNA(I) to 40 S ribosomal subunits.[UniProtKB/Swiss-Prot Function]