

## Product datasheet for **MC204145**

### Eif5 (NM\_173363) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Eif5 (NM_173363) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eif5
Synonyms:	2810011H21Rik; D12Ertd549e
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC039275

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CGGCGTTGTTTCAGTCAGAGCGAGAACATCCAGAGGTCGCCAGGCTCGGCCTGCTGGTGTGGACGCGGA
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GGCTTAACATCATGCTACACTTGATACTAAAAAGCTATTACTGTGAGTGGTCTATAATTAAGCCCAATGA
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CACACAATCTGGGTTTTACTCATGGAGTTAACCTGATAGGAGTAATCCTTCTGTTGCTCTATTGAGGTGT
CATAAAGTTTCTGTTTCAAACAGCTACATTACTTGATTA AAAACAATGTTAAAATTA AAAAAAAAAAAAAA A

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- Restriction Sites:** RsrII-NotI
- ACCN:** NM\_173363
- Insert Size:** 1290 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:** [BC039275](#), [AAH39275](#)
- RefSeq Size:** 3711 bp

RefSeq ORF: 1290 bp

Locus ID: 217869

UniProt ID: [P59325](#)

Cytogenetics: 12 61.03 cM

**Gene Summary:** Catalyzes the hydrolysis of GTP bound to the 40S ribosomal initiation complex (40S.mRNA.Met-tRNA[F].eIF-2.GTP) with the subsequent joining of a 60S ribosomal subunit resulting in the release of eIF-2 and the guanine nucleotide. The subsequent joining of a 60S ribosomal subunit results in the formation of a functional 80S initiation complex (80S.mRNA.Met-tRNA[F]).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represent the longer transcript. Variants 1 and 2 encode the same protein.