

Product datasheet for **MC219303**

Eefsec (NM_023060) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eefsec (NM_023060) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eefsec
Synonyms:	mSelB; sec; Selb
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219303 representing NM_023060
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGGCCGGCGGGTAAATGTGAATGTGGCGTGTGGGTACATCGACAGTGGCAAACAGCGCTGG
 CGCGCGCCTGAGCACCACGGCCTCCACTGCTGCCTTCGACAAGCAGCCGAGAGCCGAGCGCGGCAT
 AACGCTCGACCTGGGCTTCTCCTGTTTTGTCGTGCCGCTGCCGGGGCAGAACCCGGTTCTAGCGACAG
 CTGCTGCAGGTACACTGGTCGACTGCCCGGGCACGCCTCCCTCATCCGGACCATTGGCGGTGCC
 AGATCATTGATTTGATGATGCTCGTGATTGATGTACCAAGGGAATGCAGACACAGTCCGAGAGTGCT
 TGTGATTGGCCAGATCGCCTGCCAGAAGCTGGTTGTGGTGTGAACAAAATAGACCTGTTAGCAGAAGGG
 AAGAGACAGGCAGCGATTGACAAAATGACCAAGAAAATGCAGAAGACTCTTGAGAACACCAAATCCGGG
 GTGCACCGATTATCCCCTGGCAGCCAAACCTGGGGGACCAGAAGCCCTGAAACTGAAGCTCCACAGGG
 CATCTCAGAACTCATTGAGCTCCTGAAGTCCCAGATTTCCATCCCAACGAGAGACCCCTCTGGACCATT
 CTATGTCTGTGGACCCTGCTTCCATCAAGGGTCAAGGCACCGTGATGACTGGGACTATCCTCTCAG
 GCACTATCAGCCTTGGGGACAGTGTGGAGATCCCTGCCCTCAAGGTGGTGAAGAAAGTGAAGTCCATGCA
 GATGTTCCATACACCCGTACCTCTGCCATGCAGGGGGACCGACTGGGCATCTGTGTACCCAGTTTGAC
 CCCAAGCTGTTGGAGCGTGGGCTGGTATGTGCACCCGAGTCTCTGCACACTGTTACGCAGCCCTCATCT
 CTGTGGAGAAGATCCCTTACTTCCGAGGACCCCTGCAGACCAAGGCCAAGTCCATATCACCGTTGGCCA
 TGAGACAGTCATGGGTCGCACGCTGTTCTTCCAGCCCTGCTCTGACAGCTTTGACTTGGAGCCCGTGCTA
 GATTCCTTCGACCTTTCCCGAGAGTACCTTCCAAGAGCAGTACCTGTGCAAGGATTCCATGCCACAG
 CCACAGAAGGTGATGACGAGGCGGACCCAAAGCCGGCCACGCCCCAGGGGGCCACTGCCCGGCGCAGCA
 GTGGGCCCTGGTAGAGTTTGAGAAGCCAGTCACCTGCCCGACTCTGCTTGGTATTGGCTCCAGACTA
 GATGCCGACATTCACACCAACACATGCCGGCTGGCCTTCCATGGTGTCTTGTGCAAGGGCTGGAGGACA
 AGAACTACATTGAGAGCTTCTGCCAGCACTGAGGGTTTACAAGCTGAAGCACAAGCATGGCCTTGTGGA
 GCGGGTAAATGGATGACTACAGCGTGATTGGACGTTCCCTGTTCAAAAAGGAGACCAACATCCAGCTCTT
 GTGGGGCTTAAGGTGCAGCTGTCCACAGGGGAACAGGGTATCATCGACAGTGCCTTCGGCCAAAGTGGA
 AGTTCAAGATCCACATCCCTGGTGGCCTCAGCCCTGAGTCCAAGAAGATCCTGACACCTACTCAAGAA
 GCGGAGCCGAGCCGGCCGTGGAGAGACCACCAAGCCAGAGGGGCACTGAACGGCCAGAGCCCATCCAG
 CCTGTGACTCAACCTGTCTTCAAGCGCTATGTCTTTCGACCCAGAAGCGCATGGTACAGACTCCCT
 GA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_023060

Insert Size: 1752 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_023060.3](#), [NP_075547.1](#)

RefSeq Size: 2679 bp

RefSeq ORF: 1752 bp

Locus ID: 65967

UniProt ID: [Q9JHW4](#)

Cytogenetics: 6 D1

Gene Summary: Translation factor necessary for the incorporation of selenocysteine into proteins. It probably replaces EF-Tu for the insertion of selenocysteine directed by the UGA codon. SelB binds GTP and GDP.[UniProtKB/Swiss-Prot Function]