

Product datasheet for **SC304974**

EEFSEC (NM_021937) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EEFSEC (NM_021937) Human Untagged Clone
Tag:	Tag Free
Symbol:	EEFSEC
Synonyms:	EFSEC; SELB
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_021937 edited
 GGCATGGCAGGGCGGCGGGTGAACGTGAACGTGGGCGTGTGGGCCACATCGACAGCGGC
 AAGACGGCGCTGGCGCGGGCGCTAAGCACCACAGCCTCCACCGCCGCTTTGACAAGCAG
 CCGCAGAGCCGCGAGCGCGGCATCACGCTCGATCTGGGCTTCTCGTGCTTCTCGGTGCCG
 CTGCCCCGCGCCTGCGGTGCTTTGCCGAGTTCAGGCAGCGCCGAGGCCGAGCCC
 GAGCCCCGCGAGCCTGCTTACAGTACGCTGGTCGACTGCCCCGGGCACGCTCCCTC
 ATCCGGACCATCATCGGCGGGGCCAGATCATTGATCTGATGCTGGTCATCGATGTG
 ACCAAGGGGATGCAGACCCAGTCAGCGGAATGCCTTGATCGGCCAGATTGCCTGCCAG
 AAGCTGGTGTGTGCTGAACAAAATAGACCTCTTACCTGAAGGAAAGAGACAGGCAGCA
 ATTGATAAAATGACCAAGAAAATGCAGAAGACCCTAGAGAACACCAAGTCCGAGGTGCA
 CCGATTATACCGTGGCGGCCAAGCCGGGGGACCAGAGCCCCGAACTGAAGCTCCA
 CAGGGCATTCCAGAGCTATTGAGCTCCTGACGTCCAGATTTCCATCCCAACGAGAGAC
 CCCTCGGACCGTTCTCATGTCTGTGGACCACTGTTTCTCCATCAAAGGCCAAGGCACT
 GTGATGACAGGGACCATCTTTAGGCTCCATCAGCCTCGGTGACAGTGTGGAGATCCCT
 GCCCTCAAGGTGGTGAAGAAGGTGAAGTCCATGCAGATGTTCCACATGCCCATCACTTCA
 GCCATGCAAGGAGACCGCTGGGCATCTGCGTCACCAGTTTGACCCTAAGCTGTGGAG
 CGCGGGTGTGTGTGCCCCGAGTCCCTGCACACTGTCCATGCGGCCCTCATCTCTGTG
 GAAAAGATACCGTATTTCCGGGGGCCCTGCAAAACCAAGGCCAAGTTCACATTACAGTG
 GGCCATGAAACAGTCATGGGCGGTTGATGTTCTTCAGTCTGCTCCAGATAACTTTGAC
 CAGGAGCTATACTGGACTCTTTCAACTTCTCTCAAGAATACCTTTTCCAGGAGCAGTAC
 CTGTCCAAGGATTTGACACCAGCAGTGACAGACAATGATGAGGCCGACAAGAAGGCCGGC
 CAGGCCACAGAGGGCCATTGTCTCGGCAGCAGTGGGCCCTGGTGGAGTTTGAGAAGCCC
 GTCACCTGCCCTCGCTGTGCTTGGCTCCAGGCTAGATGCGGACATTACACC
 AACACGTGCCGGCTAGCCTTCCATGGCATCCTGCTCCACGGGCTAGAGGACAGGAACATAC
 GCCGACAGCTTCTGCCAGGCTGAAGGTGTACAAGCTGAAGCACAAGCATGGCCTTGTG
 GAGCGGGCGATGGATGACTACAGTGTGATCGGCCGCTCCCTGTTCAAAAAGGAAACCAAC
 ATCCAGCTCTTCGTGGGCTCAAGGTGCACTTGTCCACTGGGGAAGTGGGCATCATCGAC
 AGTGCCTTCGGCCAGAGCGGCAAGTTCAAGATCCACATCCAGGTGGCCTCAGCCCCGAG
 TCCAAGAAGATCTGACACCCGCCCTCAAGAAGCGGGCCCGGGCTGGCCGTGGGAGGCC
 ACCAGGCAGGAGAGAGCGCGGAGCGGAGCGCCTCACAGCATGTGGTGCTCAGCCTG
 ACTTTCAAGCGTTATGTCTTCGACACCCACAAGCGCATGGTTCACTCTCCCTGAGTGTCC
 GGTGACCTCCCCAGGGCCTCCTTGCCAGCCAGTCCAGGCTGCTGTGCCAAATCCCAA
 CCAGCCACGCCTCAGCCTCTCCAGTCTCTCCCTGCAGTCTGCAGCAGCAGCCCCACC
 CCCAAGCTTGGTGTGAGCCCTGGTGAGGAGCTGAGGGGGATGGGTTGCTGGGGCCAGGA
 GGGTCTCTCTCCAGCCCTGCACACTCCACCCAGGACAGCCCCAGCCCAACTAGGAA
 AGGGCCATGGGCAGAGGGCTGGTAGCCAGTATCTTCCACTGCCCCATCTGTTGGCCACCT
 GCAGGCCAGTCTCAACCTCCCCAGGTGGGCAGGCACTTGATGGCTACAAATAAATGTC
 CCGTGGCCCCAGCCACAAAAA
 AAAAA

Restriction Sites: Please inquire

ACCN: NM_021937

Insert Size: 2200 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).

OTI Annotation: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_021937.3.

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:	<u>NM_021937.3, NP_068756.2</u>
RefSeq Size:	2239 bp
RefSeq ORF:	1791 bp
Locus ID:	60678
UniProt ID:	<u>P57772</u>
Cytogenetics:	3q21.3
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]