

Product datasheet for **SC119266**

EEF1G (NM_001404) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | EEF1G (NM_001404) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | EEF1G |
| Synonyms: | EF1G; GIG35 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_001404, the custom clone sequence may differ by one or more nucleotides |

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ATGGCGGCTGGGACCCTGTACACGTATCCTGAAAAGTGGAGGGCCTTCAAGGCTCTCATCGTGCTCAGT
ACAGCGGGGCTCAGGTCGCGTGTCTCCGCACCACCCCACTTCCATTTGGCCAAACCAACCGCACCCC
TGAATTTCTCCGCAAATTCCTGCCGGCAAGGTCCAGCATTGAGGGTGATGATGGATTCTGTGTGTT
GAGAGCAACGCCATTGCCTACTATGTGAGCAATGAGGAGCTGCGGGGAAGTACTCCAGAGGCAGCAGCCC
AGGTGGTGCAGTGGGTGAGCTTTGCTGATTCCGATATAGTGCCCCAGCCAGTACCTGGGTGTTCCCCAC
CTTGGGCATCATGCACCACAACAACAGGCCACTGAGAATGCAAAGGAGGAAGTGAGGCGAATTCTGGGG
CTGCTGGATGCTTACTTGAAGACGAGGACTTTTCTGGTGGCGAACGAGTGACATTGGCTGACATCACAG
TTGCTGCACCCTGTTGTGGCTCTATAAGCAGGTTCTAGAGCCTTCTTTCCGCCAGGCCTTCCCAATAC
CAACCGCTGGTTCCTCACCTGCATTAACAGCCCCAGTTCGGGGCTGTCTTGGGCGAAGTAAAAGTGTGT
GAGAAGATGGCCAGTTTGATGCTAAAAAGTTTGACAGAGACCCAACTAAAAGGACACACCACGGAAAAG
AGAAGGGTTCACGGGAAGAGAAGCAGAAGCCCCAGGCTGAGCGGAAGGAGGAGAAAAAGGCGGCTGCCCC
TGCTCCTGAGGAGGAGATGGATGAATGTGAGCAGGCGCTGGTGTGAGCCCAAGGCAAGGACCCCTTC
GCTCACCTGCCAAGAGTACCTTTGTGTTGGATGAATTAAGCGCAAGTACTCCAATGAGGACACACTCT
CTGTGGCACTGCCATATTTCTGGGAGCACTTTGATAAGGACGGCTGGTCCCTGTGGTACTCAGAGTATCG
CTTCCCTGAAGAAGTCACTCAGACCTTCATGAGCTGCAATCTCATCACTGGAATGTTCCAGCGACTGGAC
AAGCTGAGGAAGAATGCCTTCGCCAGTGTATCCTTTTTGGAACCAACAATAGCAGCTCCATTTCTGGAG
TCTGGGTCTTCCGAGGCCAGGAGCTTGCCTTTCCGCTGAGTCCAGATTGGCAGGTGGACTACGAGTCATA
CACATGGCGAAAAGTGGATCCTGGCAGCGAGGAGACCCAGACGCTGGTTCGAGAGTACTTTTCTGGGAG
GGGGCCTTCCAGCATGTGGGCAAAGCCTTCAATCAGGGCAAGATCTTCAAGTGA
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| 5' Read Nucleotide Sequence: | <p>>OriGene 5' read for NM_001404 unedited</p> <p>GACTCACTATAGGGCGGCCGCAATTCGGCACGAGGATGGCGGCTGGGACCCTGTACACG TATCCTGAAAACCTGGAGGGCCTTCAAGGCTCTCATCGCTGCTCAGTACAGCGGGGCTCAG GTCCGCGTGCTCTCCGCACCACCCCACTTCCATTTTGGCCAAACCAACCGCACCCCTGAA TTTCTCCGCAAATTTCTGCCGGCAAGGTCCCAGCATTGAGGGTGATGATGGATTCTGT GTGTTTGAGAGCAACGCCATTGCCTACTATGTGAGCAATGAGGAGCTGCGGGGAAGTACT CCAGAGGCAGCAGCCAGGTGGTGCAGTGGTGAGCTTTGCTGATTCCGATATAGTGCCC CCAGCCAGTACCTGNGTGTTCACCACCTTGGGCATCATGCACCACAACAACAGGCCACT GAGAATGCAAAGGAGGAAGTGAGGCGAATTCTGGGGCTGCTGGATGCTTACTTGAAGACG AGGACTTTTCTGGTGGGCGAACGAGTGACATTGGCTGACATCACAGTTGTCTGCACCCTG TTGTGGCTCTATAAGCAGGTTCTAGAGCCTTCTTCCGCCAGGCCTTCCCATACCAACC GCTGGTTCCTCACCTGCATTAACCAGCCCCAGTCCGGGCTGTCTTGGGCGAAGTGAAA CTGTGTGAGAAGATGGCCAGTTTGATGCTAAAAAGTTTGCAGAGACCCACCTANNNA GACACACCANCGAAAAGAAANGGTTTACGGGAAGAAGAGCANAAGCCCCAGCTGAGCGN AAAGGAGAGAAAANGCNGNCTGCCCTGCTCCCTGAGAGAAATGNATGATGTGAACAGCG CCTGCTGCTAAACCAAAGCAAGACCCNTNGCTCACTGCCAAGAGTCCCTTGGGTGGATGA ATTAGCGCAGTACTCATGAGACCACTCTTGGGGACTGCCTATCCTGGGACCTTGATAAGA CCGCTGCCCTGG</p> |
| 3' Read Nucleotide Sequence: | <p>>OriGene 3' read for NM_001404 unedited</p> <p>GGGGNNNNTTACTTGAACCGCGCCGCATCTAGGATCGAGTNNTTTTTTTTTTTTTTTTTT TTTTTTACAATGTTCAAGTTTCTTTAATGACCCCATCTCCCTGAAGGGCAGGTGCAGGC AGCTAGGTGATGGCAAAGATGTTCACTTGAAAATCTTGCCTGATTGAAGGCTTTGCC ACATGCTGGAAGGCCCTCCAGGAAAAGTACTCTGAACCAGCGTCTGGGTCTCTCG CTGCCAGGATCCAGTTTCCGCCATGTGTATGACTCGTAGTCCACCTGCCAATCTGGACT AGCGGAAAGGCAAGTTCTTGGCCTCGGAAACCCAGACTNCAAAAATGGACCTGCTATTGT TGTTCCAAAAAGGATGACACTGGCAAAGGCATTTTTCTCAGCTTGCCATCGCTGAACA TTCAATGATGAAATGCCNCTATGAAAGCCTGAGTGAGTCTTTAGGAAGCCATCCTTTGGA TCCACAGGGCCAGCGTCTTATAAAAAGGCTCCCAAATTTGGGTGCCCCAAAAGGGGGC CTTTTTGAATACTTGGCCTTATTCTCAACCAAAGGCCTTTTGGCCAGGAACAAGGGGTC TTGGCTGGGCTAAAACCAACCCTGGTCAATTTATCATTTCTCCTAAGGACGAGGGCACCC GCTTTTTTCTTTTTCTACACCTGGGGTTTGGTTTTTTTCCGGAACCTTTTTTTTCCGGG GGGCCCTTTAAGGGGGGCTTGAATAATTTTGAATAAAGGGGCCCTTTTCCACCGTTTC TTTCCACAAAACCCCAATGGGGGGTTTTCAGGGGAGAACCCCGGTGTTTTGAAAAG CCTTGGGAAAAAGGCTAACCCCTTTTTACACCCAAAGGGGGCCCTTGGTTTTTCCCG TTTTTTTTCCCCCAAAAATCCCTTTAAAATCCTCCCCCCCCAAA</p> |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_001404 |
| Insert Size: | 1500 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_001404.3](#), [NP_001395.1](#)

RefSeq Size: 1429 bp

RefSeq ORF: 1314 bp

Locus ID: 1937

UniProt ID: [P26641](#)

Cytogenetics: 11q12.3

Domains: EEF1G_domain, GST_N, GST_C

Gene Summary: This gene encodes a subunit of the elongation factor-1 complex, which is responsible for the enzymatic delivery of aminoacyl tRNAs to the ribosome. This subunit contains an N-terminal glutathione transferase domain, which may be involved in regulating the assembly of multisubunit complexes containing this elongation factor and aminoacyl-tRNA synthetases. [provided by RefSeq, Jul 2008]