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Product datasheet for MC223112

Efl1 (NM_001159672) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Efl1 (NM_001159672) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Efl1
Synonyms:	4932434J20Rik; 6030468D11Rik; AI451340; AU019507; AU022896; D7Ertd791e; Eftud1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223112 representing NM_001159672 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGTGCTCAGTGGTGTTGATAAGATGATTCGACTTCAGAAGAACACTGCCAACATTAGGAATATCTGTG TTCTGGCTCATGTTGACCACGGAAAAACTACTCTTGCTGATTGTCTTATATCCAGTAATGGAATCATCTC CAGCCGCCTGGCAGGCAAGTTAAGGTATATGGACAGCAGAGAAGATGAACAGGTCAGAGGGATCACCATG AAGTCCAGCGCCATCTCACTACATTATGCAGAAGGTCATGAGGAGTACCTGATTAATCTGATAGACTCTC CTGGACACGTGGACTTCTCCTCAGAAGTATCAACAGCGGTTCGCATTTGTGATGGATGCATCATTGTGGT GGATGCTGTGGAGGGGGTCTGTCCACAGACACAGGCAGTTCTTCGACAAGCCTGGCTTGAAAACATCCGC CCTGTTTTAGTGATCAATAAGATAGACCGCCTGATAGTGGAACTAAAATTCACCCCACAAGAGGCCTATT CTCACCTCAAGAATATTTTAGAACAGATTAACGCACTTACAGGAACTCTTTTTACTTCTAAAGTCCTAGA AGAAAGAGCAGAGAGAGAGACAGAATCCCAGGCGAAGCCACATTCTGAGCAAGGAGAGCAAGTGTATGAC TGGAGCGCGGGCTTGGAGGACGTGGACGACTCGCAGCTGTACTTCTCGCCAGAGCAGGGCAATGTGGTGT TTACCAGTGCGATAGATGGCTGGGGCTTTGGAATTGAGCACTTTGCCAGAATCTATAGTCAAAAAATTGG CATCAAGAAGGAAGTTCTTTTGAAAACCTTGTGGGGAGATTATTATATAAATATGAAGGCTAAGAAGATT ATGAAAGTTGATCAGGCCAAAGGAAAGAAACCTTTATTTGTACAGTTGATCCTGGAAAATATATGGAGTT TGTATGATGCAGTCTTGAAAAAGGACAAAGAAAAAATTGATAAAATTGTGACTTCTTTAGGATTAAAAAT TGGAGCCCGGGAGGCACGACATTCAGACCCTAAAGTCCAGATCAATGCCATTTGCAGCCAGTGGCTCCCC ATATCCCACGCTGTCCTCGCTATGGTGTGTCACAAACTGCCCAGTCCCCTTGACATGACGTCGGAGCGAG TAGAGAAACTGCTGTGCACAGGATCCCAGACGTTTGAGTCTCTGCCACCGGAGACCCAAGCCCTGAAAGC AGCTTTTATGAAATGTGGAAGTGAGGATACTGCTCCAGTTATTATCTTTGTTTCCAAAATGTTTGCAGTT GATGTGAAAGCCTTGCCTCAGAATAAGCCAAGGCCTCTCACTCAAGAAGAAATGGCCCAGAGACGGGAAC GGGCAAGACAGAGGCACGCAGAGAAGCTTGCAGCAGCCCAGGGGCAAACATCCCAGGGACCCACCCAGGA TGGAGGTGCCCTTGAAACAAGTCCCCATGAAGATGAGCCAAGAGGTGATGAACCAGATGTGGCAAGTGTA AGCCGCCAGCCTGTTTCCCAGGAGGAAAGCAGCCAAGAGGCCTTCATCGCATTTGCTCGTGTGTTCAGTG

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GCATAGCTCGAAGAGGAAAGAAAATTTTCGTCTTAGGACCCAAGTACAGCCCTGTTGATTTTTTACAGCG
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TGCCGACCACGGAGGAGGAGTACCTGCACTTTGGGGAGAAGGCGGATTCCGAGAACCAGGCCCGGAAGTA
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AGAACCCTCAGCAAAAACAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001159672

Insert Size: 3384 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_001159672.1, NP_001153144.1
RefSeq Size:	3608 bp
RefSeq ORF:	3384 bp
Locus ID:	101592
UniProt ID:	Q8C0D5
Cytogenetics:	7 47.25 cM
Gene Summary:	Involved in the biogenesis of the 60S ribosomal subunit and translational activation of ribosomes. Together with SBDS, triggers the GTP-dependent release of EIF6 from 60S pre-ribosomes in the cytoplasm, thereby activating ribosomes for translation competence by allowing 80S ribosome assembly and facilitating EIF6 recycling to the nucleus, where it is required for 60S rRNA processing and nuclear export. Has low intrinsic GTPase activity. GTPase activity is increased by contact with 60S ribosome subunits (By similarity). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.