

Product datasheet for MC223657

Efl1 (NM_175317) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Efl1 (NM_175317) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Efl1
Synonyms:	4932434J20Rik; 6030468D11Rik; AI451340; AU019507; AU022896; D7Ertd791e; Eftud1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223657 representing NM_175317 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGTGCTCAGTGGTGTTGATAAGATGATTCGACTTCAGAAGAACAACACTGCCAACATTAGGAATATCTGTG
 TTCTGGCTCATGTTGACCACGGAAAACTACTCTTGCTGATTGTCTTATATCCAGTAATGGAATCATCTC
 CAGCCGCTGGCAGGCAAGTTAAGGTATATGGACAGCAGAGAAGATGAACAGGTGAGGGATCACCATG
 AAGTCCAGCGCCATCTCACTACATTATGCAGAAGGTGATGAGGAGTACCTGATTAATCTGATAGACTCTC
 CTGGACACGTGGACTTCTCCTCAGAAGTATCAACAGCGGTTTCGCATTTGTGATGGATGCATCATTGTGGT
 GGATGCTGTGGAGGGGTCTGTCCACAGACACAGGCAGTTCCTCGACAAGCCTGGCTTGAAACATCCGC
 CCTGTTTTAGTGATCAATAAGATAGACCGCTGATAGTGAACATAAAATTCACCCACAAGAGGCCTATT
 CTCACCTCAAGAATATTTTAGAACAGATTAACGCCTTACAGGAACCTTTTTACTTCTAAAGTCCTAGA
 AGAAAGAGCAGAGAGAGAGACAGAATCCAGGCGAAGCCACATTTCTGAGCAAGGAGAGCAAGTGTATGAC
 TGGAGCGCGGGCTTGGAGGACGTGGACGACTCGCAGCTGTACTTCTCGCCAGAGCAGGGCAATGTGGTGT
 TTACCAAGTGCGATAGATGGCTGGGGCTTTGGAATTGAGCACTTTGCCAGAATCTATAGTCAAAAAATTGG
 CATCAAGAAGGAAGTTCTTTTGAACCTTTGTGGGGAGATTATTATATAAATATGAAGGCTAAGAAGATT
 ATGAAAGTTGATCAGGCCAAAGGAAAGAAACCTTTATTTGTACAGTTGATCCTGGAAAATATATGGAGTT
 TGTATGATGCAGTCTTGAAAAGGACAAAAGAAAAATTGATAAAATTGTGACTTCTTTAGGATTAAAAAT
 TGGAGCCCGGGAGGCACGACATTAGACCTTAAAGTCCAGATCAATGCCATTTGCAGCCAGTGGCTCCCC
 ATATCCCACGCTGCTCGCTATGGTGTGTACAACTGCCAGTCCCCTTGACATGACGTGGAGCGAG
 TAGAGAACTGCTGTGCACAGGATCCCAGACGTTTGAGTCTCTGCCACCGGAGACCAAGCCCTGAAAGC
 AGCTTTTATGAAATGTGGAAGTGAGGATACTGCTCCAGTTATTATCTTTGTTTCCAAAATGTTTGCAGTT
 GATGTGAAAGCCTTGCTCAGAATAAGCAAGGCCTCTCACTCAAGAAGAAATGGCCAGAGACGGGAAC
 GGGCAAGACAGAGGCACGACAGAGAAGCTTGACAGAGCCAGGGGCAACATCCCAGGACCCACCCAGGA
 TGGAGGTGCCCTTGAAACAAGTCCCATGAAGATGAGCCAAGAGGTGATGAACCAGATGTGGCAAGTGTGTA


[View online »](#)

AGCCGCCAGCCTGTTTCCCAGGAGGAAAGCAGCCAAGAGGCCTTCATCGCATTTGCTCGTGTGTTCACTG
GCATAGCTCGAAGAGGAAAGAAAATTTTCGTCTTAGGACCCAAGTACAGCCCTGTTGATTTTTTACAGCG
GGTTCCACTAGGCTTCTCAGCTCCACTAGAGGACCTCCCTCCTGTGCCCCACATGGCGTGCTGTACTCTG
GAGAACCTGTACCTTCTGATGGGAAGGGAGCTGGAAGATCTGGAAGAAGTCCCCCAGGAAACGTGCTGG
GAATTGGAGGCCTCCAGGACTTTGTGCTAAAATCTGCAACTTTGTGCAGCCTGCCGTCTGCCACCCTG
TATTTCCCTCACTTTGAAGCCACCCGATTGTGAGAGTTGCTGTTGAACCAAGCACCAAGTGAATG
CCTCAGCTTGTGAAAGGAATGAAGCTGCTAAACCAGGCTGACCCCTGTGTCCAGTTTTAATTCAGGAAA
CAGGAGAGCATGTCCTGGTCACGGCCGGGAGGTCCACCTTCAGCGATGTTTGGATGACTTACGAGAAA
GTTTGCAAAGATCCACATCAGTGTATCTGAACCCATTATTCCATTAGAGAAACGATCACAAAACCTCCC
AAAGTTGACATGGTCAATGAAGAAATAGGCAGGCAGCAAAAAGTTGCTGTCATACACCAACAAAAGAAG
AGCAAAGCAAAATCCCAGAGGGGATCCAGTGGACTCGGATGGGCTTATCACCATACCGACTCCCAACA
ACTGGCCACTCTCAGTGTCCGTGCCATACCGCTTCCAGAAGAAGTACCAGGATTCTGGAAGAAAACAGC
GACTTGATTGTTCCATGGAGCTTTTACATCCTCCTTGAACGAGGGTAGAAATACCCAAGCCATTATC
AGAAGACCAAGAGAAAATATGGGAATCAAAGGAAAGCTAGAGAAACATCTAACAGGGAGGAAATGGAG
GAACACTGTTGACCAGATCTGGTCATTTGGCCCAAGGAAATGTGGGCCAACATCCTAGTCAGTAGAAGT
GAAGATTTCCAGAACTCAGTATGGTCTGGCCAGCTGGCAGAGAATCAAAGAGGCCAGCAGATTCCGAG
ACTTTGGCAATAGCATTGTGAGTGGCTTCCAGCTTGCACCCCTCTCTGGCCCCATGTGTGAGGAGCCGCT
CATGGGTGTCTGTTTGTCTAGAAAAGTGGGAGCTAAATAATGTGCAGAACAGGAGCAAGTGATAAA
CAGCACCAGGTGAGTGTGATCTGGCAGGAGAGGGACAGGGGGAGGTAAACCTGTACGTTGGAGATG
AAAACCAAGAGCAACAAGATGTCTGCTCGGAGCCCTTTGAAGAGACTTCCAGAAAGGAGACTCTCCGT
TATTGACTGCTATGGACCTTCTCCGGGACGCTAATTGCTACCATGAAAGAAGCCTGCCGCTACGCTCTG
CAGGTGAAACCTCAACGCCTGATGGCAGCTATGTACACATGTGACATCATGGCCACCAGTGATGTCCTCG
GCCGAGTCTATGCCGTGCTGTCAAAGCGAGAAGGTCGAGTGCTTCAGGAAGAGATGAAGGAAGGGACGGA
CATGTTTCATCATCAAGGCTGTGCTGCCTGTAGCGGAAAGCTTTGGCTTTGCGGATGAGATCAGGAAGAGG
ACCAGCGGACTGGCCAGCCACAGCTGGTGTTCAGCCACTGGGAGGTATTCCCAGCGACCCGTTCTGGG
TGCCGACCACGGAGGAGGAGTACCTGCACTTTGGGGAGAAGGCGGATTCCGAGAACCAGGCCCGGAAGTA
CATGAATGCCGTGCGGAAGCGGAAGGGCCTCTATGTGGAAGAAAAGATTGTGAACACGCAGAAAAGCAG
AGAACCCTCAGCAAAAACAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_175317

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_175317.3, NP_780526.2</u>
RefSeq Size:	3637 bp
RefSeq ORF:	3384 bp
Locus ID:	101592
UniProt ID:	<u>Q8C0D5</u>
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 (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.