

Product datasheet for **RR206504**

Efs (NM_001106033) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Efs (NM_001106033) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Efs
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR206504 representing NM_001106033
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCATTGCCACGTCGGCCAGCTTGCCCGGCACTGTACGACAACACGGCTAGTCCCCCAGGAGC
 TGTCTTCCGCCGAGGGATGTTCTACGGTACTGCAGAGGGAGGCGCTGGTGGACTCGATGGTTGGTG
 CCTTTGCTCCCTGCATGGCCAGCAGGATTGTCCCTGCTAACAGAGTGAAGCTCCTTCTGCTAGCCCA
 GCACCCAGCCTAGCCTCTGCCAGCACCTCCCACCAACCGGGTGCTCATCATGCCCCACCCAGAGC
 GCGGCTGTGAGGAGCAGGAGGTGTATGTGATACCACCACAGCTCGACCCTGCTCTGCCTCAGGACTTCC
 AGCTAGATCCTGTTGCCTCTTCCGACTCCATCTACAAGTCCCAGAGTCAATGGGATACAGTGAAT
 GCGCCAGAGATGTGGGAGAGGTCTATGATGTGCCTCCCAACATCCTCCGGGCTCCCTCAATTGCCCT
 ATGATTCCCCAGCCTCCTTTCTGTCTGCGACCCAGTTGTCCACAGCCCCCTGGAGAGGATGAAGC
 TCCCTATGATGTGCTCTGGCCCTGAAGTCACCTGCAGAGATGGAGCCTGACCTGGAGTGGGAAGGGGC
 CGGGAGCCAGGGCTCCCTTTACGCTGCCCTTCCAACCTAAAGCGGGCTCTGCCCTGCTCAACCTGT
 ACGAAGCACCTGAAGAACTACTGGCAAACGGAGAAAGCCGGGATGCAGATGAAGGCATCTACGATGTGCC
 TCTGCTGGGGCCAGAGCCACCGTCACCAGAGCCCCAGCAGCTTCTTCTCCGCCGACCCGGACACTGTG
 GCCCAGCTTCTGACCAGAAGCCCTCCACCCCAACATAGGCCAGACTACCATCCACTGAGAGCCTGTCCC
 GCCGCCCTCTGCCTGCCCTCCCGGTCTCTGAGGCTCCTGCTCCTTCTCCAGCACCTTCTCCTGCCCCAGG
 CCGAAAGGGCAGTATCCAGGACAGGCCTCTTCCCCCTCCCCGCCCTGCCTGCCCGGTTATGGGGCCCTC
 AAACCGGAGGGAGATCCAGAGTGCAGGGAGGTAGACAGTGATTGAGGAGGCCCTCACAATGAATATGAAG
 GCATCCCAATGGCCGAGGAATATGACTATGTGCATCTGAAGGGTGTGGATAAAGCTCAGGGTTCTAGACC
 CCTGGATAACGCTTTCCAGCGGATCCTGAAGTCTGGAGAGGGGACTGGTGGAACAGAAGGAAGCCCTG
 TCCCCAGAGGAGCCACTGGTCTGTCCACTGGAGATCTACAGCTTCTGCACTTCTATGCGGGCAATGCC
 AGAGCCACTACTCAGCTCTACAGACTGTGTGGCAGCTCTCATGTCCAGTACCCAGGCCAACAGCCGCC
 ATGTCTCTTTGTGCCACGGCAAACGAGTGGTGGTGGCTGCCACCGCCTGGTATTTGTTGGGACACC
 CTAGGCCGGCTGGCAGCCTCTGCACCTCTCCGAGCACAGGTGGGGCTGCAGGTACAGTGTGCCCAAA
 CCTTGGCGGCACTGTGCTTGTGTCAAGGGGGCCGCTTAGGTTACCCATCTGACACTGCGGTCCAAGA
 GATGGCGCGATGTGTGGCAGAGCTTGCAGGGCAGGCCCTACGCTTACCACCCTACTCGTGGCCTGCTC
 CCC

ACGCGTACGCGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206504 representing NM_001106033
 Red=Cloning site Green=Tags(s)

MAIATSAQLARALYDNTAESPQELSFRRGDVLRVLQREGAGGLDGWCLCSLHGQQGIVPANRVKLLPAS
 APKPSLCPAPPTQPGCSSCPTPERGCEEQEVYVIPPAPPCSASGLPARSCSPSSDSIYKVPRVNGIQLT
 APRDVGEVYDVPNILRAPSNCPYDSPASFSCPATPVVPQPPGEDEAPYDVPLALKSPAEMEPDLEWEG
 REPGPPLYAAPSNLKRASALLNLYEAPEELLANGESRDADEGIYDVPLLGPEPPSPEPPAASSADPDTV
 AQLLTRSPPQHRPRLPSTESLSRRPLPALPVSEAPAPSPAPSPAPGRKGSIQDRPLPPPPCLPGYGGL
 KPEGDPCECREVSDSGGPHNEYEGIPMAEEYDYVHLKGVDKAQGSRLDNAFPADPELLERGLVEQKEAL
 SPEEPLVLSTGDLQLLHFYAGQCQSHYSALQTAVAALMSSTQANQPPCLFVPHGKRVVVAHRLVFVGD
 LGRLAASAPLRAQVGAAGTVLAQTLRATVLAVKGAALGYPSDTAVQEMARCVaelAGQALRFTTLLAGLL
 P

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001106033

ORF Size: 1683 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001106033.2](#), [NP_001099503.1](#)

RefSeq Size: 2529 bp

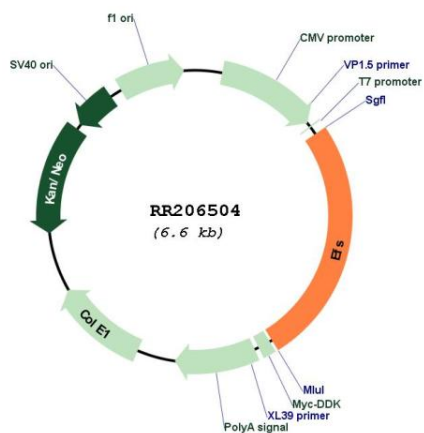
RefSeq ORF: 1686 bp

Locus ID: 290212

Cytogenetics: 15p13

MW: 59 kDa

Product images:



Circular map for RR206504