

Product datasheet for **MR208875**

Efs (BC031543) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Efs (BC031543) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Efs
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208875 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCATTGCCACGTCGGCCAGCTTGCCCGGCATTGTATGACAACACTGCTGAGTCCCCCAGGAAC
 TGTCCTTCGCGCCAGGGGATGTTCTACGGTACTGCAGAGGGAGGGTCTGGTGGACTTGATGGTTGGTG
 CCTCTGCTCTCGCATGGCCAGCAGGGTATTGTCCCTGCTAACAGAGTGAAGCTCCTTCCTGCTGGCCCA
 GCACCCAAGCCTAGCCTCTGCCAGCATCTCCACCCAGCCTGGCTCATCATGTCCACCCAGAGCGTG
 GCTGTGAGGAGCAGGAGGTGTATGTAATACCACCAGCTCGACCCTGCTCTGCCTCGGGACTTCCAGC
 TAGATCCTGCTCACCTCTTCTGACTCCATCTACAAGTCCCCGAGTCAATGGGATGCAGCTGACTGCC
 TCCAGAGAGCTGGCAGAGGTCTATGATGTGCCTCCCAACATCCTCGGGCTCCCTCCAGCTGTCCCTATG
 ACTCCCCAGCCTCCTTTCTGTCTGTGGCCCCAGTTGTCCACAGCCCCCAGAGAGGATGAAGCGCC
 CTACGATGTGCCTCTGGCCTTAAAGCCACTGCAGAGCTGGAGCGGGATCTGGAGTGGGAAGGGGCGCG
 GAGCCAGGGCCTCCTTTACGCTGCCCTTCCAACCTGAAACGGGCCTCGGCTCTGCTCAACCTGTACG
 AAGCACCCGAGGAACCTTGGAATGGAGAAAGCAGGGATGCAGATGAAGGCATTTACGATGTGCCTCT
 GCTGGGGCCAGAGCCACCGTCCCCAGAGCCTCCAGTGGCTTCTTCTCCACTGACCTGGACACTGTGGCC
 CAGCTTCCGACCAGAAGCTCCCCACCCAAACACAGGCCAGGCTACCATCCACTGAGAGCCTGTCCCGCC
 GCCCTCTGCCTGCCCTCCTGTCTCTGAGGCTCCTGCTCCTTCTCCAGCTCCTTCTCCTGCCCCAGGCCG
 AAAAGGCAGTATCCAGGACAGGCCTCTACCCCTCCCCACCTGCCTGCCTGGTTATGGGGCCTCAA
 CCCGAGGGAGATCCAGAGTGCAGGGAGGTAGCCAATGATCCAGCAGGCCCTCACAAATGAATATGAAGGCA
 TCCCAATGGCCGAGGAATATGACTACGTGCATCTGAAGGGTGTGGATACAGCTCAGGGTTCTAGACCCCT
 GGATAAAGCTTTCCAGTGGATCCTGAATTGCTGGAGAGGGGACTGGCGGAACGGAAGGAAGCTCTGTCC
 CCAGAGGAGCCACTGGTCTGTCCACTGGAGACCTCCAATTCTGCACTTCTATGCAGGGCAGTGCCAGA
 GCCATTACTAGCTCTGCAAGCTGCCGTGGCAGCTCTCGTGGCCAGCACCCAGGCCAACCCAGCCACCATG
 TCTCTTTGTGCCCCACGGCAAAGAGTGGTGGTGGCTGCTCACCGCCTGGTGTGGTGGAGACACCCTA
 GGCCGGCTGGCAGCCTCTGCAGCTCTCAGAGCACAGGTGGGGGCTGCAGGCACAAATGCTGGCCAAACTC
 TGCGGGCCACTGTGCTTGTCAAGGGGGCTGCCTTAGGCTACCCATCTGACACTGCAGTCCAAGAGAT
 GCGCGATGCGTGGCAGAGCTTGCAGGGCAGGCCCTACGCTTTACCACCTACTCGTGGTCTGCTCCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208875 protein sequence
 Red=Cloning site Green=Tags(s)

MAIATSAQLARALYDNTAESPQELSFRRGDVLRVLRQREGAGGLDGWCLCSLHGQQGIVPANRVKLLPAGP
 APKPSLCPASPTQPGSSCPTPERGCEEQEVYVIPPAPRCSASGLPARSCSPSSDSIYKVPVNGMQLTA
 SRDVAEVYDVPPNILRAPSSCPYDSPASFSCPVPVPPPREDEAPYDVPLALKPPAELERDLEWEGGR
 EPGPPLYAAPSNLKRASALLNLYEAPELLANGE SRDADEGIYDVPLLGPEPPSPEPPVASSTDLDTVA
 QLPTRSSPPQHRPRLPSTESLSRRLPALPVSEAPAPSPAPSPAPGRKGSIQDRPLPPPPPLPGYGGLK
 PEGDPECREVANDPAGPHNEYEGIPMAEEYDYVHLKGVDTAQGSRPLDKAFPVDPELLERGLAERKEALS
 PEEPLVLSGDQLQLLHFYAGQCQSHYSALQAAVAALVASTQANQPPCLFVPHGKRVVVAHRLVFGDTL
 GRLAASAALRAQVGAAGTMLAQLRATVLAVKGAALGYPSDTAVQEMARCVAELAGQALRFITLLAGLLP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:


ACCN: BC031543

ORF Size: 1680 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

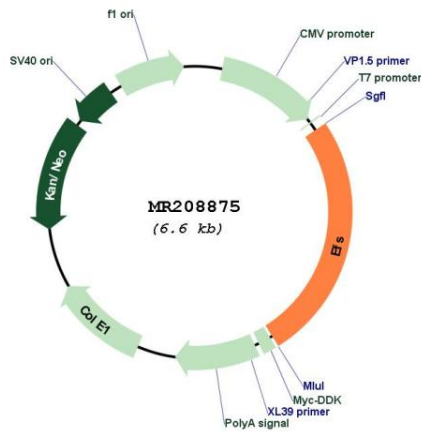
RefSeq: [BC031543](#), [AAH31543](#)
RefSeq Size: 2373 bp

RefSeq ORF: 1682 bp

Locus ID: 13644

Cytogenetics: 14 C2
MW: 59 kDa
Gene Summary: Docking protein which plays a central coordinating role for tyrosine-kinase-based signaling related to cell adhesion. May serve as an activator of SRC and a downstream effector. Interacts with the SH3 domain of FYN and with CRK, SRC, and YES.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208875