

Product datasheet for **MG208875**

Efs (BC031543) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Efs (BC031543) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Efs
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208875 representing BC031543
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCATTGCCACGTCGGCCAGCTTGCCCGGGCATTGTATGACAACACTGCTGAGTCCCCCAGGAAC
 TGTCTTCGCGCCAGGGGATGTTCTACGGTACTGCAGAGGGAGGGTGTGGTGGACTTGATGGTTGGTG
 CCTCTGCTCTCGCATGGCCAGCAGGGTATTGTCCCTGCTAACAGAGTGAAGCTCCTTCCTGCTGGCCCA
 GCACCCAAGCCTAGCCTCTGCCAGCATCTCCACCCAGCCTGGCTCATCATGTCCACCCAGAGCGTG
 GCTGTGAGGAGCAGGAGGTGTATGTAATACCACCACCAGCTCGACCCTGCTCTGCCTCGGGACTTCCAGC
 TAGATCCTGCTCACCTCTTCTGACTCCATCTACAAGTCCCCGAGTCAATGGGATGCAGCTGACTGCC
 TCCAGAGAGCTGGCAGAGGTCTATGATGTGCCTCCCAACATCCTCGGGTCCCTCCAGCTGTCCCTATG
 ACTCCCCAGCCTCCTTTCTGTCTGTGGCCCCAGTTGTCCACAGCCCCCAGAGAGGATGAAGCGCC
 CTACGATGTGCCTCTGGCCTTAAAGCCACTGCAGAGCTGGAGCGGGATCTGGAGTGGGAAGGGGGCCGG
 GAGCCAGGGCCTCCTTTACGCTGCCCTTCCAACCTGAAACGGGCCTCGGCTCTGCTCAACCTGTACG
 AAGCACCCGAGGAACCTCTGGCAATGGAGAAAGCAGGGATGCAGATGAAGGCATTTACGATGTGCCTCT
 GCTGGGGCCAGAGCCACCGTCCCCAGAGCCTCCAGTGGCTTCTTCTCCACTGACCTGGACACTGTGGCC
 CAGCTTCCGACCAGAAGCTCCCCACCCAAACACAGGCCAGGCTACCATCCACTGAGAGCCTGTCCCGCC
 GCCCTCTGCCTGCCCTCCCTGTCTCTGAGGCTCCTGCTCCTTCTCCAGCTCCTTCTCCTGCCCCAGGCCG
 AAAAGGCAGTATCCAGGACAGGCCTCTACCCCTCCCCACCTGCCTGCCTGGTTATGGGGCCTCAA
 CCCGAGGAGATCCAGAGTGCAGGGAGGTAGCCAATGATCCAGCAGGCCCTCACAAATGAATGAAGGCA
 TCCCAATGGCCGAGGAATGACTACGTGCATCTGAAGGGTGTGGATACAGCTCAGGGTTCTAGACCCCT
 GGATAAAGCTTTCCAGTGGATCCTGAATTGCTGGAGAGGGGACTGGCGGAACGGAAGGAAGCTCTGTCC
 CCAGAGGAGCCACTGGTCTGTCCACTGGAGACCTCCAACCTTCTGCACTTCTATGCAGGGCAGTGCAGAG
 GCCATTACTCAGCTCTGCAAGCTGCCGTGGCAGCTCTCGTGGCCAGCACCCAGGCCAACCCAGCCACCATG
 TCTCTTTGTGCCCCACGGCAAAGAGTGGTGGTGGCTGCTCACCGCTGGTGTGTTGTTGGAGACACCCTA
 GGCCGGCTGGCAGCCTCTGCAGCTCTCAGAGCACAGGTGGGGGCTGCAGGCACAAATGCTGGCCAAACTC
 TGCGGGCCACTGTGCTTGTCAAGGGGGTGCCTTAGGCTACCCATCTGACTGCAGTCCAAGAGAT
 GCGCGATGCGTGGCAGAGCTTGCAGGGCAGGCCCTACGCTTACCACCTACTCGTGGTCTGCTCCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208875 representing BC031543
 Red=Cloning site Green=Tags(s)

MAIATSAQLARALYDNTAESPQELSFRRGDVLRVLQREGAGGLDGWCLCSLHGQQGIVPANRVKLLPAGP
 APKPSLCPASPTQPGSSCPTPERGCEEQEVYVIPPAPRCSASGLPARSCSPSSDSIYKVPVNGMQLTA
 SRDVAEVYDVPPNILRAPSSCPYDSPAFCSPVAPVVPQPPREDEAPYDVPLALKPPAELERDLEWEGGR
 EPGPLYAAPSNLKRASALLNLYEAPELLANGESRDADEGIYDVPLLGPEPPSPPEPVASSTDLDTVA
 QLPTRSSPPQHRPRLPSTESLSRRPLPALPVSEAPAPSPAPSPAPGRKGSIQDRPLPPPPCLPGYGGLK
 PEGDPECEVANDPAGPHNEYEGIPMAEEYDYVHLKGVDTAQGSRPLDKAFVDPPELLERGLAERKEALS
 PEEPLVLSTGDLQLLHFYAGQCQSHYSALQAAVAALVASTQANQPPCLFVPHGKRVVVAHRLVFGDTL
 GRLAASAALRAQVGAAGTMLAQLRATVLAVKGAALGYPSDTAVQEMARCVAELAGQALRFTLLLAGLLP

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC031543

ORF Size: 1682 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: [BC031543](#), [AAH31543](#)

RefSeq Size: 2373 bp

RefSeq ORF: 1682 bp

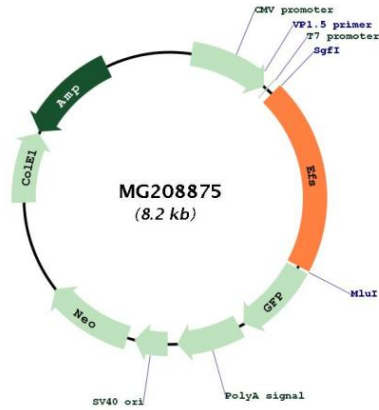
Locus ID: 13644

Cytogenetics: 14 C2

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 MG208875