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Product datasheet for MG206934

Ecsit (NM_012029) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ecsit (NM_012029) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ecsit
Synonyms:	Sitpec
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG206934 representing NM_012029
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCTGGGTGCAGGTCAACTTGCTGGTGCGAAGCCTCTCTAGGGGCTGGGGAGGCCTCTGCAGGCCTG
CCCTTTCAGGAACTCCCTTTGCTCAGGTGTCCCTCCAGGCTCTACGAGGCCTCCACTGTAGTGCAGCTAC
ACACAAGGATGAGCCGTGGTTGGTTCCTCGACCCCCGGAGCCCCAGAGGAAGCCCATCAAGGTTCCAGCA
ATGCATGAAGACTTGTTCAAGCCATCAGGAAACAGGGAGCGGGACAAGGCAAGCTTCCTGAACGCAGTGC
GCAGCTTTGGGGCGCACAATGTGCGCAAGCGCGGCCATGTGGACTTCATCTACCTAGCACTGCGCAAGAT
GCCAGAGTTTGGTGTGGAGCGGGACTTGTCAGTATACAACCTGCTGCTGGATGTTTTCCCCAAGGAGGTC
TTCCGGCCCCGCAACGTTATCCAGCGCATCTTCGTCCACTACCCACGGCAGCAGGAATGTGGGGTCGCAG
TCCTGGAGCAGATGGAACGACACGGGGTCATGCCCAGCGCAGAGACGGAGTTCCTACTGATTCAGATATT
CGGGCGCAAAAGTTACCCCATGCTCAAGTTCCTGCGGATGAAGCTGTGGTTCACCCGATTCAAGAATATC
AACCCCTACCCAGTGCCCCGAGATCTTCCCCAGGACCCTTTGGACCTGGCCAAGCTAGGCCTGCGACACA
TGGAGCCTGACCTCAGTGCTAAGGTCACTGTCTACCAGATGTCCTTGCCCAGTGACTCGACAGGCATGGA
AGATCCCACACAGCCTCACATTGTAGGAATCCAGAGTCCAGATCAGCAAGCTGCCCTGGCCCGCCACAAC
CCATCCAGGCCTGTTTTTGTTGAGGGCCCCTTCCCTCTCTGGCTTCGTAATAAGTGTGTCTACTATCACA
TCCTAAGAGCTGACCTGCCACCTCCTGAGGAAGAGAAAGTAGAAGAGATCCCAGAAGAATGGGAGCTGTA
CTACCCACAGAAGCTGGACCTGGAATATTCAAGGAGTGGTTGGGACGACTATGAGTTTGACGTGGATGAA
GTGACAGAAGGCCCTGTCTTCGCCATGTGCATGGCTGGTGCCCATGATCAGGCAACATTGATCAAGTGGA
TCCAAGGCTTGCAGGAGACCAACCCAACCCTGGCACAGATCCCAGTGGTATTCCGCCTGGCCAGGTCCAC
GGGGGAGCTCCTGACAACTTCAAGGCTGGAGGGACAGTCCCCTCCCCACAGTCCTCCCAAGGGGCCTGAG
GAAGATGATGAGACCATTCAGGCAGAGCAGCAGCAGGGGCAAAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

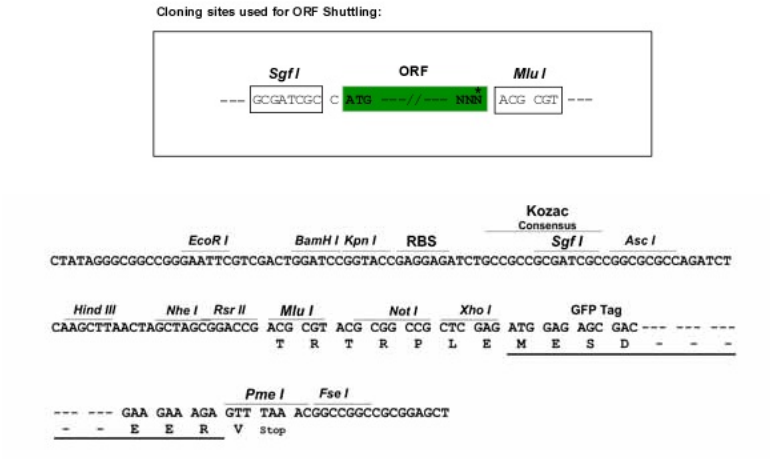
>MG206934 representing NM_012029
Red=Cloning site Green=Tags(s)

MSWVQVNLLVRSLSRGWGGLCRPALSGTPFAQVSLQALRGLHCSAATHKDEPWLVPRPPEPQRKPIKVPA
MHEDLFKPSGNRERDKASFLNAVRSFGAHNVRKRGHVDFIYLALRKMPEFGVERDLSVYNLLLDVFPKEV
FRPRNVIQRIFVHYPRQQECGVAVLEQMERHGVMPSAETEFLLIQIFGRKSYPMLKFLRMKLWFTRFKNI
NPYPVPRDLPQDPLDLAKLGLRHMEPDLSAKVTVYQMSLPSDSTGMEDPTQPHIVGIQSPDQQAALARHN
PSRPVFVEGPFPLWLRNKCVYYHILRADLPPPEEEKVEEIPEEWELYYPQKLDLEYSRSGWDDYEFDVDE
VTEGPVFAMCMAGAHDQATLIKWIQGLQETNPTLAQIPVVFRLARSTGELLTTSRLEGQSPPHSPPKGPE
EDDETIQAEQQQGQS

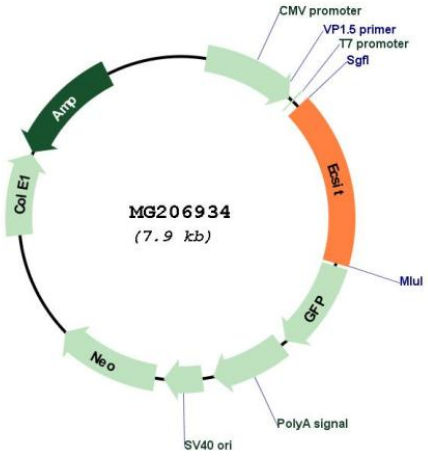
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_012029

ORF Size:	1305 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_012029.1, NP_036159.1
RefSeq Size:	1695 bp
RefSeq ORF:	1308 bp
Locus ID:	26940
UniProt ID:	Q9QZH6
Cytogenetics:	9 A3
Gene Summary:	Adapter protein of the Toll-like and IL-1 receptor signaling pathway that is involved in the activation of NF-kappa-B via MAP3K1. Promotes proteolytic activation of MAP3K1. Involved in the BMP signaling pathway. Required for normal embryonic development.[UniProtKB/Swiss-Prot Function]