

Product datasheet for **MR229892**

Ecsit (NM_001253897) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ecsit (NM_001253897) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ecsit
Synonyms:	Sitpec
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR229892 representing NM_001253897
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCTGGGTGCAGGTCAACTTGTGGTGCAGGCTCTCTAGGGGCTGGGAGGCCTCTGCAGGCCTG
 CCCTTTCAGGAACTCCCTTTGCTCAGGTGCCCTCCAGGCTCTACGAGGCCTTCACTGTAGTGCAGCTAC
 ACACAAGGATGAGCCGTGGTTGGTTCTCGACCCCGGAGCCCCAGAGGAAGCCATCAAGTTCCAGCA
 ATGCATGAAGACTCGTTCAAGCCATCAGGAAACAGGGAGCGGGACAAGGCAAGCTTCTGAACGCAGTGC
 GCAGCTTTGGGGCGCACAATGTGCGCAAGCGGGCCACGTGGACTTATCTACCTAGCACTGCGCAAGAT
 GCCAGAGTTTGGTGTGGAGCGGGACTTGTCAAGTATACAACCTGCTGCTGGATGTTTTCCCAAGGAGGTC
 TTCGGCCCCGCAACGTTATCCAGCGCATCTTCGTCCTACTCCACGGCAGCAGGAATGTGGGTGCGAG
 TCCTGGAGCAGATGGAACGACACGGGGTATGCCAGCGCAGAGACAGAGTTCTACTGATTGAGATATT
 CGGGCGCAAAAGTTACCCATGCTCAAGTTCTCGGGATGAAGCTGTGGTTACCCGATTCAAGAATATC
 AACCCCTACCCAGTGCCCGAGATCTTCCCGAGACCCTTTGGACTGGCCAAGCTAGGCCTGCGACACA
 TGGAGCCTGACCTCAGTGCTAAGGTCAGTGTCTACCAGATGTCTTTGCCAGTACTCGACAGGCATGGA
 AGATCCCACACAGCCTCACATTGTAGGAATCCAGAGTCCAGATCAGCAAGCTGCCCTGGCCCGCCACAAC
 CCATCCAGGCCTGTTTTGTTGAGGGCCCTTCCCTCTCTGGCTTCGTAATAAGTGTGTCTACTATCACA
 TCCTAAGAGCTGACCTGCCACCTCTGAGGAAGAGAAAGTAGAGGAGATCCCAGAAGAATGGGAGCTGTA
 CTACCCACAGAAGCTGGACCTGGAATATTCAAGGAGTGGTTGGGACGACTATGAGTTTGAGTGGATGAA
 GTGACAGAAGGCCCTGTCTTCGCCATGTGCATGGCTGGTGCCATGATCAGGCAACATTGATCAAGTGA
 TCCAAGGCTTGACAGGAGACCAACCAACCCTGGCACAGATCCCAGTGGTATTCCGCCTGGCCAGGTCCAC
 GGGGAGCTCCTGACAACCTCAAGGCTGGAGGGACAGTCCCTCCCGACAGTCTCCCAAGGGCCCTGAG
 GAAGATGATGAGACCATTAGGCAGAGCAGCAGCAGGGGCAAAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR229892 representing NM_001253897
 Red=Cloning site Green=Tags(s)

MSWVQVNLVRSLSRGWGLCRPALSGTPFAQVSLQALRGLHCSAATHKDEPWLVRPPEPQRKPIKVPA
 MHEDSFKPSGNRERDKASFLNAVRSFGAHNVRKRGHVDFIYLALRKMPEFGVERDLSVYNLLLDVFPKEV
 FRPRNVIQRIFVHYPRQQECGVAVLEQMERHGVMPSETEFLLIQIFGRKSYPLMKFLRMKLFTRFKNI
 NPYPVPRDLPQDPLDLAKLGLRHMEPDL SAKVTVYQMSLPSDSTGMEDPTQPHIVGIQSPDQQAALARHN
 PSRPVFEVGFPLWLRNKCYYYHILRADLPPPEEEKVEEIPPEWELYYPQKLDLEYSRSGWDDYEFDVDE
 VTEGPFVAMCMAGHDQATLIKWIQGLQETNPQLAQIPVVVFLARSTGELLTTSRLEGQSPPHSPPKGP
 EDDETIQAEQQQGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001253897

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_001253897.1](#), [NP_001240826.1](#)
RefSeq Size: 1674 bp

RefSeq ORF: 1308 bp

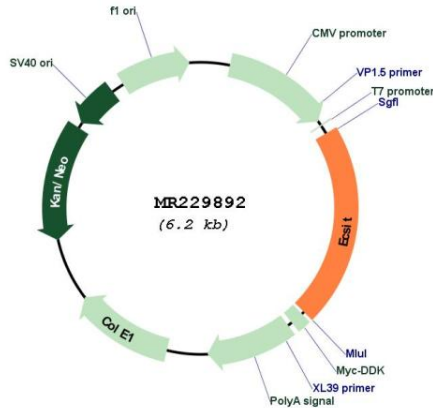
Locus ID: 26940

UniProt ID: [Q9QZH6](#)
Cytogenetics: 9 A3

MW: 49.8 kDa

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]

Product images:



Circular map for MR229892