

## Product datasheet for **RR209134**

### Ecsit (NM\_001006986) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ecsit (NM\_001006986) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ecsit  
**Synonyms:** MGC94704  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR209134 representing NM\_001006986  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAGCTGGGTACAGGTCAACTTGCTGGCCGAGGCTCTCCAGGGGCTGGGCAGCATCTGCAGGACTG  
 TGCTCTCAGGGACCCCTTTGCTCAGCCGTCCTTCAGGCTCGAGGCTCCATTGTAGTGCAGTCACACA  
 CAAGGATGACGTGTGGTTGGTTCTCGACCCTCCGAGCCCAAAAGAAACCCATCAAGGTTCCAGCAATG  
 CACGAAGACCTGTTCAAGCCATCAGGAAACGGGAGCAGGACAAGCAAGCTTCCGAATGCAAGTGCAGTGC  
 GCAATGTTGGGAGCACAATGTGCGCAAGCGCGCCACGTGGACTTCACTACCTAGCACTTCGCAAGATGCC  
 AGAGTTTGGTGTGGAACGGGACTTGTCAAGTATACAACCTGCTGCTGGACGTTTTCCCAAGGAGGTCTTC  
 CGGCCCGCAACGCTATCCAGCGCATCTTTGTCCACTACCCACGGCAGCAGGAGTGTGGAGTCGCTGTCC  
 TGGAGCAGATGGAACGACATGGAGTTATGCCAACACAGAGACTGAGTTCCTGCTGATCCAGGTGTTCCG  
 GCACAAAAGTTACCCCATGCTCAAGTTCCTGCGGATGAAGCTGTGGTTACCCCGTTCAAGAATATCAAC  
 CCCTACCCAGTGCCCGAGATCTTCCAGGACCCTTTGGACCTGGCCAAACTAGGCTGCGACACATGAG  
 AGCTGATCTCAGTGCTAAAGTCACTGTCTACCAGATGTCTTTGCCAGTGAGTCGACAGGCATTGAAGA  
 TCCCACACAGCCTCACATTGTAGGAATCCAGAGTCCAGATCAGCAAGCTGCCCTGGCCCGACACAACCCA  
 TCCAGGCTGTTTTGTTGAGGGCCCTTCCCTCTCTGGCTTCGTAATAAGTGCCTCTATTATCACATCC  
 TAAGAGCTGACCTGCCACCCCTGAGGAAGAGACAGTAGAGGAGATCCCAGAAGAATGGAACCTGTACTA  
 CCCAATGCAGCTGGACCTGGAATATTCAAGGAGTCTTGGGACAATAATGAAATTTGACATGGATGAAGTG  
 ACAGAAGGCCCGTCTTCGCCATGTGCATGACTGGTGGCCATGATCAGGCAACGTTGGTCAAGTGGATCC  
 AAGGCTTGCAAGGACCAACCAACGCTGGCACAGATCCCAGTGGTATTCGCTGGCCAGGTCCACAGG  
 AGAGCTCCTGGCAACCACAAGGCTGGAGGGACAGTCCCCTCCCCACAGCCCTCCAAGGGTCTGAGGAA  
 GATGATGAGGCCATTCAGGCACAGCAGCGCAAGGTCAAAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >RR209134 representing NM\_001006986  
Red=Cloning site Green=Tags(s)

MSWVQVNL LARGLSRGWG SICRTVLSGTPFAQPSLQARGLHCSAVTHKDDVWL VPRPSEPQKKPIKVPAM  
 HEDLFRPSGNGEQDKASFLNAVRSFGEHNVRKRGHVDFIYLALRKMPEFGVERDLSVYNLLLDVFPKEVF  
 RPRNAIQIRIFVHYPRQCEGVAVLEQMERHGVMPNTEFEFLLIQVFGHKSYPMLKFLRMKLWTRFKNIN  
 PYPVPRDLPQDPLDLAKLGLRHMEPDL SAKVTVYQMSLPSESTGIEDPTQPHIVG IQSPDQQAALARHNP  
 SRPVFVEGPFPLWLRNKCYYYHILRADLPPPEETVEEIP EEWNLYYPMQLDLEYSRSAWDNYEFDMDEV  
 TEGPVFAMCMTGAHDQATLVKWIQGLQETNP TLAQIPVVFRLARSTGELLATTRLEGQSPHSPKGP  
 DDEAIQAQRQGQS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

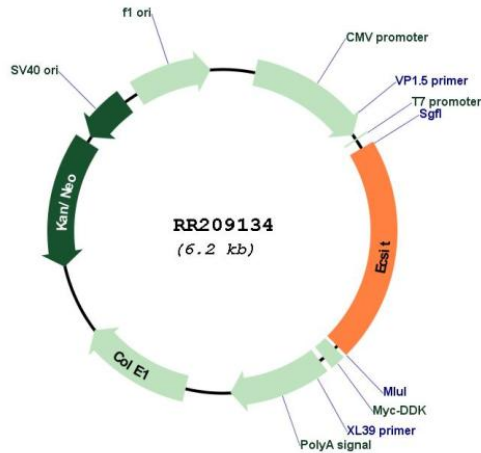
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001006986

<b>ORF Size:</b>	1302 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001006986.1</a> , <a href="#">NP_001006987.1</a>
<b>RefSeq Size:</b>	1478 bp
<b>RefSeq ORF:</b>	1305 bp
<b>Locus ID:</b>	300447
<b>UniProt ID:</b>	<a href="#">Q5XIC2</a>
<b>Cytogenetics:</b>	8q13
<b>MW:</b>	49.6 kDa
<b>Gene Summary:</b>	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]