

## Product datasheet for **RC232397**

### **ECSIT (NM\_001243204) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ECSIT (NM\_001243204) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** ECSIT  
**Synonyms:** SITPEC  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC232397 representing NM\_001243204  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAGCTGGGTCCAGGCCACCCTACTGGCCCGAGGCCTCTGTAGGGCCTGGGGAGGCACCTGCGGGGCCG  
CCCTCACAGGAACCTCCATCTCTCAGGTCCTCGCCGGCTCCCTCGGGCCTCCACTGCAGCGCAGCTGC  
CCATAGCTCTGAACAGTCCCTGGTTCAGCCACCGGAACCCCGCAGAGGCCACCAAGGCTCTGGTG  
CCCTTTGAGGACCTGTTTGGGCAGGCGCCTGGTGGGGAACGGGACAAGGCGAGCTTCTGCAGACGGTGC  
AGAAATTTGCGGAGCACAGCGTGCCTAAGCGGGGCCACATTGACTTCATCTACCTGGCCCTGCGCAAGAT  
GCGGGAGTATGGTGTGAGCGGGACCTGGCTGTGTACAACCAGCTGCTCAACATCTTCCCAAGGAGGTC  
TTCCGGCCTCGCAACATCATCCAGCGCATCTTCGTCCACTACCCTCGGCAGCAGGAGTGTGGGATTGCTG  
TCCTGGAGCAGATGGAGAACCAGGTGTGATGCCCAACAAGGAGACGGAGTTCTGCTGATTGAGATCTT  
TGGACGCAAAAGTACCCCATGCTCAAGTTGGTGCCTGAAGCTGTGGTTCCTCGATTGATGAAAGTGC  
AACCCCTTCCAGTCCCCGGGACCTGCCAGGACCTGTGGAGCTGGCCATGTTTGGCCTGCGGCACA  
TGGAGCCTGACCTTAGTGCCAGGTCACCATCTACCAGTTCTTTGCCAAAGACTCAACAGGTGCAGC  
AGATCCCCCAGCCCCACATCGTAGAGCTGACTTGTGCCCGGAGGAGGGAAGTGAAGAGACGC  
CGGAGGAGTGGAACCTCTACTACCCGATGCAGCTGGACCTGGAGTATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC232397 representing NM\_001243204  
Red=Cloning site Green=Tags(s)

MSWVQATLLARGLCRAWGGTCGAALTGTSISQVPRRLPRGLHCSAAAHSSEQSLVSPPEPRQRPTKALV  
 PFEDLFGQAPGGERDKASFLQTVQKFAEHSVRKRGHIDFIYLALRKMREYGVVERDLAVYNQLLNIFPKEV  
 FRPRNIIQRIFVHYPRQQECGIIVLEQEMENHGVMPNKETEFLLIQIFGRKSYPLMLKLVRLKLVWFRFMNV  
 NPFPVPRDLPQDPVELAMFGLRHMEPDL SARVTIYQVPLPKDSTGAADPPQPHIVELTCCPRRRGKWKRR  
 RRSSTTRCSWTWSM

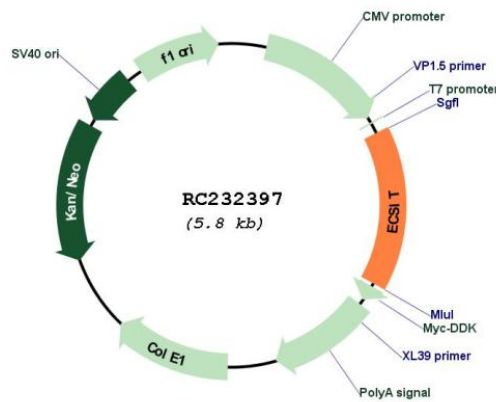
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001243204

**ORF Size:** 888 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_001243204.1</a> , <a href="#">NP_001230133.1</a>   |
| <b>RefSeq Size:</b>           | 1599 bp   |
| <b>RefSeq ORF:</b>            | 891 bp  |
| <b>Locus ID:</b>              | 51295   |
| <b>UniProt ID:</b>            | <a href="#">Q9BQ95</a>  |
| <b>Cytogenetics:</b>          | 19p13.2   |
| <b>Protein Pathways:</b>      | MAPK signaling pathway  |
| <b>MW:</b>                    | 34.4 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 (By similarity). [UniProtKB/Swiss-Prot Function]  |