

## Product datasheet for **SC122849**

### **ECSIT (NM\_016581) Human Untagged Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                    |
| Product Name:             | ECSIT (NM_016581) Human Untagged Clone |
| Tag:                      | Tag Free                               |
| Symbol:                   | ECSIT                                  |
| Synonyms:                 | SITPEC                                 |
| Mammalian Cell Selection: | None                                   |
| Vector:                   | <u><a href="#">pCMV6-XL5</a></u>       |
| E. coli Selection:        | Ampicillin (100 ug/mL)                 |



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**Fully Sequenced ORF:** >OriGene sequence for NM\_016581 edited  
 GGCAGCGCCAGCAACAAGACAGAGCTGGCCTGGAGTCCCGCGGCTGGCCGCTGAGTAGG  
 TGATTGTCTGACAAGCAGAGGCATGAGCTGGGTCCAGGCCACCCTACTGGCCCGAGGCCT  
 CTGTAGGGCCTGGGGAGGCACCTGCGGGGCCGCCCTCACAGGAACCTCCATCTCTCAGGT  
 CCCTCGCCGGCTCCCTCGGGGCTCCACTGCAGCGCAGCTGCCATAGCTCTGAACAGTC  
 CCTGGTCCCAGCCCACCGAACCCCGGAGAGGCCACCAAGGCTCTGGTGCCCTTTGA  
 GGACCTGTTGGGCAAGGCGCTGGTGGGAACGGGACAAGGCGAGCTTCTGCAGACGGT  
 GCAGAAATTTGCGGAGCACAGCGTGCCTAAGCGGGGCCACATTGACTTCATCTACCTGGC  
 CCTGCGCAAGATGCGGGAGTATGGTGTGAGCGGGACCTGGCTGTGTACAACCAGCTGCT  
 CAACATCTCCCCAAGGAGGTCTTCCGGCCTCGCAACATCATCCAGCGCATCTTCGTCCA  
 CTACCCTCGGCAGCAGGAGTGTGGGATTGCTGTCTGGAGCAGATGGAGAACCACGGTGT  
 GATGCCAACAAAGGAGACGGAGTTCCTGCTGATTCAGATCTTTGGACGAAAAGTACCC  
 CATGCTCAAGTTGGTGCCTGAAGCTGTGGTCCCTCGATTTCATGAACGTCAACCCCTT  
 CCCAGTGCCCGGACCTGCCCCAGGACCTGTGGAGCTGGCCATGTTTGGCCTGCGGCA  
 CATGGAGCCTGACCTTAGTGCCAGGGTACCATCTACCAGTTCCCTTTGCCCAAAGACTC  
 AACAGGTGCAGCAGATCCCCCAGCCACATCGTAGGAATCCAGAGTCCCGATCAGCA  
 GGCCGCCCTGGCCCGCCACAATCCAGCCCGCCTGTCTTTGTTGAGGGCCCTTCTCCCT  
 GTGGCTCCGCAACAAGTGTGTATTACCACATCCTCAGAGCTGACTTGTGCCCCCGGA  
 GGAGAGGGAAGTGAAGAGACGCGGAGGAGTGAACCTCTACTACCCGATGCAGCTGGA  
 CCTGGAGTATGTGAGGAGTGGCTGGGACAACACGAGTTTACATCAATGAAGTGGAGGA  
 AGGCCCTGTCTTCGCATGTGCATGGCGGGTGCATGACCAGGCGACGATGGCTAAGTG  
 GATCCAGGGCTGCAGGAGACCAACCAACCCTGGCCAGATCCCCGTGGTCTTCCGCT  
 CGCCGGTCCACCCGGGAGCTCCAGACATCCTCTGCAGGGCTGGAGGAGCCCGCCCTGCC  
 CGAGGACCACCAGGAAGAAGACGACAACCTGCAGCGACAGCAGGAGGCGGAGAGCTAGTC  
 TGAGCCGCGCGAGGGCACGGGCTGTGGCCGAGGAGGCGGTGGACTGAAGGCATGAGAT  
 GCCCTTTGAGTGTACAGCAAATCAATGTTTTCTGCTTGGGGCTCTTCCCTCATCTCT  
 AGCAGTATGGCATCCCCTCCCCAGGATCTCGGGCTGCCAGCGATGGGCAGGCGAGACCC  
 TCCAGAATCTGCAGGCGCTCTGGTCTCCGAATCAAATAAAAAGGGCGGGAGCGCTG  
 TTGTTGTGCGCAAAAAAAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_016581 unedited  
 NGGGGGTGTTAGNAATATTTGTNAATACGNATCACTANAGGGCCGGCGCGAAATTC  
 GGCACGAGGGGACGCGCCAGCAACAAGACAGAGCTGGCCTGGAGTCCGCGGCTGGCCGC  
 GTGAGTAGGTGATTGTCTGACAAGCAGAGGCATGAGCTGGGTCCAGGCCACCCTACTGGC  
 CCGAGGCCTCTGTAGGCCTGGGAGGCACCTGCGGGGCCGCCCTCACAGGAACCTCCAT  
 CTCTCAGTCCCTCGCCGGCTCCCTCGGGGCTCCACTGCAGCGCAGCTGCCATAGCTC  
 TGAACAGTCCCTGGTCCCAGCCCACCGAACCCGGCAGAGGCCACCAAGGCTCTGGT  
 GCCCTTTGAGGACCTGTTTGGGACGGCGCTGGTGGGAACGGGACAAGGCGAGCTTCT  
 GCAGACGGTGCAGAAATTTGCGGAGCACAGCGTGCCTAAGCGGGGCCACATTGACTTCAT  
 CTACCTGGCCCTGCGCAAGATGCGGGAGTATGGTGTGAGCGGGACCTGGCTGTGTACAA  
 CCAGCTGCTCAACATCTCCCCAAGGAGGTCTTCCGGCCTCGCAACATCATCCAGCGCAT  
 CTTGCTCCACTACCCTCGGCAGCAGGAGTGTGGGATTGCTGTCTGGAGCAGATGGAGAA  
 CCACGGTGTGATGCCAACAAAGGAGACNGAGTTCTGCTGATTGAGATCTTTGGACGAA  
 AAGCTACCCCATGCTCAAGTTGGTGCCTGAAGCTGTGGTCCCTCGATTTCATGAACGT  
 CAACCCCTTCCAATGCCCGGGACCTGCCCCAGGACCCTGTGGAGCTGGCCATGTTTGC  
 CCTGCGGCACATGGAGCCTGACCCTTATGCCAGGGTACCATCTACCAGTTCCTTTGT  
 CCAAAGACTTCACAGGTG

**Restriction Sites:** Please inquire  
**ACCN:** NM\_016581  
**Insert Size:** 1657 bp

|                               |  |
|-------------------------------|--|
| <b>OTI Disclaimer:</b>        | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p> |
| <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_016581.2</a> , <a href="#">NP_057665.2</a>  |
| <b>RefSeq Size:</b>           | 1668 bp  |
| <b>RefSeq ORF:</b>            | 1296 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>Gene Summary:</b>          | <p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>   |