

Product datasheet for **RG201343**

ECSIT (NM_016581) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ECSIT (NM_016581) Human 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:	>RG201343 representing NM_016581 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCTGGGTCCAGGCCACCCTACTGGCCGAGGCTCTGTAGGGCCTGGGGAGGCACCTGCGGGGCCG
CCCTCACAGGAACCTCCATCTCTCAGGTCCTCGCCGGCTCCCTCGGGGCTCCACTGCAGCGCAGCTGC
CCATAGCTCTGAACAGTCCCTGGTTCCAGCCCACCGGAACCCCGCAGAGGCCACCAAGGCTCTGGTG
CCCTTTGAGGACCTGTTGGGCAGGCGCCTGGTGGGAACGGGACAAGGCGAGCTTCTGCAGACGGTGC
AGAAATTTGCGGAGCACAGCGTGCCTAAGCGGGGCCACATTGACTTCATCTACCTGGCCCTGCGCAAGAT
GCGGGAGTATGGTGTGCGAGCGGACCTGGCTGTGTACAACCAGCTGCTCAACATCTTCCCAAGGAGGTC
TTCGGCCTCGCAACATCATCCAGCGCATCTTCGTCCACTACCCTCGGCAGCAGGAGTGTGGATTGCTG
TCCTGGAGCAGATGGAGAACCACGGTGTGATGCCCAACAAGGAGACGGAGTTCTGCTGATTGAGATCTT
TGGACGCAAAAGCTACCCCATGCTCAAGTTGGTGCCTGAAGCTGTGGTTCCCTCGATTGATGAACGTC
AACCCCTTCCAGTGCCCGGGACCTGCCCCAGGACCTGTGGAGCTGGCCATGTTTGGCCCTGCGGCACA
TGGAGCCTGACCTTAGTGCCAGGGTCACCATCTACCAGTTTCTTGGCCAAAGACTCAACAGGTGCAGC
AGATCCCCCAGCCCCACATCGTAGGAATCCAGAGTCCCGATCAGCAGGCGCCCTGGCCCGCCACAAT
CCAGCCCGGCTGTCTTTGTTGAGGGCCCTTCTCCCTGTGGCTCCGCAACAAGTGTGTATTACCACA
TCCTCAGAGCTGACTTGCTGCCCGGAGGAGGGAAGTGAAGAGACGCCGGAGGAGTGAACCTCTA
CTACCCGATGCAGCTGGACCTGGAGTATGTGAGGAGTGGCTGGGACAACACTACGAGTTTGACATCAATGAA
GTGGAGGAAGGCCCTGTCTTCGCCATGTGCATGGCGGGTCTCATGACCAGGCGACGATGGCTAAGTGA
TCCAGGGCCTGCAGGAGACCAACCAACCTGGCCAGATCCCCGTGGTCTTCCGCCTCGCCGGTCCAC
CCGGGAGCTCCAGACATCCTCTGCAGGGCTGGAGGAGCCGCCCTGCCGAGGACCACGGAAGAAGAC
GACAACCTGCAGCGACAGCAGCAGGGCCAGAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201343 representing NM_016581
 Red=Cloning site Green=Tags(s)

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MSWVQATLLARGLCRAWGGTCGAALTGTSISQVPRRLPRGLHCSAAAHSSEQSLVSPPEPRQRPTKALV
PFEDLFGQAPGGERDKASFLQTVQKFAEHSVRKRGHIDFIYLALRKMREYGVVERDLAVYNQLLNIFPKEV
FRPRNIIQRIFVHYPRQEQCGIAVLEQMENHGVMPNKETEFLLIQIFGRKSYMPLKLVRLKLWFRFMNV
NPFVPRDLQPDPVELAMFGLRHMEPDL SARVTIYQVPLPKDSTGAADPPQPHIVG IQSPDQQAALARHN
PARPVFVEGPFSLWLRNKCYYIHILRADLLPPEEREVEETPEEWNLYYPMQLDLEYVRSWGDNYEFDINE
VEEGPVFAMCMAGAHDQATMAKWIQGLQETNP TLAQIPVVFRLAGSTRELQTSSAGLEEPPLPEDHQEED
DNLQRQQGQS
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016581

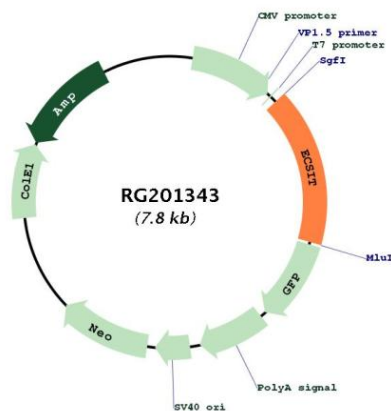
ORF Size: 1293 bp

OTI Disclaimer: 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 custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none"> 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:	<u>NM_016581.5</u>
RefSeq Size:	1710 bp
RefSeq ORF:	1296 bp
Locus ID:	51295
UniProt ID:	<u>Q9BQ95</u>
Cytogenetics:	19p13.2
Protein Pathways:	MAPK signaling pathway
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 (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG201343