

## Product datasheet for **RG227595**

### **ECSIT (NM\_001142465) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ECSIT (NM\_001142465) 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:** >RG227595 representing NM\_001142465  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCTGGGTCCAGGCCACCCTACTGGCCGAGGCTCTGTAGGGCCTGGGGAGGCACCTGCGGGGCCG  
CCCTCACAGGAACCTCCATCTCTCAGGTTCTTTGCCAAAGACTCAACAGGTGCAGCAGATCCCCCCA  
GCCCCACATCGTAGGAATCCAGAGTCCCGATCAGCAGGCCGCCCTGGCCCGCCACAATCCAGCCCGCCT  
GTCTTTGTTGAGGGCCCCTTCTCCCTGTGGCTCCGCAACAAGTGTGTATTACCACATCCTCAGAGCTG  
ACTTGCTGCCCCGGAGGAGAGGGAAGTGAAGAGACGCCGGAGGAGTGAACCTCTACTACCCGATGCA  
GCTGGACCTGGAGTATGTGAGGAGTGGCTGGGACAACACGAGTTTGACATCAATGAAGTGGAGGAAGGC  
CCTGTCTTCGCCATGTGCATGGCGGGTCTCATGACCAGGCGACGATGGCTAAGTGGATCCAGGGCCTGC  
AGGAGACCAACCAACCCTGGCCAGATCCCCGTGGTCTTCCGCCTCGCCGGTCCACCCGGGAGCTCCA  
GACATCCTCTGCAGGGCTGGAGGAGCCGCCCTGCCCGAGGACCACCAGGAAGAAGACGACAACCTGCAG  
CGACAGCAGCAGGGCCAGAGC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG227595 representing NM\_001142465  
 Red=Cloning site Green=Tags(s)

MSWVQATLLARGLCRAWGGTCGAALTGTSISQVPLPKDSTGAADPPQPHIVGIQSPDQQAALARHNPARP  
 VFVEGPFSLWLRNKCYYHILRADLLPPEEREVEETPEEWNLYYPMQLDLEYVRSWGDNYEFDINEVEEG  
 PVFAMCMAGAHQATMAKWIQGLQETNPQLAQIPVVFRLAGSTRELQTSSAGLEEPPLPEDHQEEDDLNLQ  
 RQQQGQS

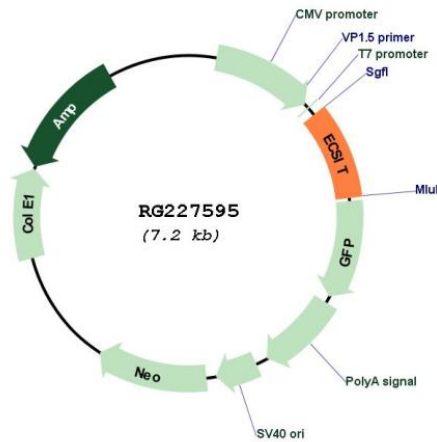
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001142465

**ORF Size:** 651 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_001142465.3</a>
<b>RefSeq Size:</b>	1061 bp
<b>RefSeq ORF:</b>	654 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>	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]