

Product datasheet for **RG227591**

ECSIT (NM_001142464) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ECSIT (NM_001142464) 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:	>RG227591 representing NM_001142464 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCTGGGTCCAGGCCACCCTACTGGCCGAGGCCTCTGTAGGGCCTGGGGAGGCACCTGCGGGGCCG
CCCTCACAGGAACCTCCATCTCTCAGGTCCTCGCCGGCTCCCTCGGGCCTCCACTGCAGCGCAGCTGC
CCATAGCTCTGAACAGTCCCTGGTTCAGCCACCGGAACCCCGCAGAGGCCACCAAGGCTCTGGT
CCCTTTGAGGACCTGTTGGGCAGGCGCCTGGTGGGAACGGGACAAGGCGAGCTTCTGCAGACGGTGC
AGAAATTTGCGGAGCACAGCGTGCCTAAGCGGGGCCACATTGACTTCATCTACCTGGCCCTGCGCAAGAT
GCGGGAGTATGGTGTGAGCGGGACCTGGCTGTGTACAACCAGCTGCTCAACATCTTCCCAAGGAGGTC
TTCGGCCTCGCAACATCATCCAGCGCATCTTCGTCCACTACCCTCGGCAGCAGGAGTGTGGATTGCTG
TCCTGGAGCAGATGGAGAACCACGGTGTGATGCCCAACAAGGAGACGGAGTTCCTGCTGATTCAGATCTT
TGGACGCAAAAGCTACCCCATGCTCAAGTTGGTGCCTGAAGCTGTGGTTCCTCGATTGATGAACGTC
AACCCCTTCCAGTGCCCGGGACCTGCCCGAGGACCTGTGGAGCTGGCCATGTTTGGCCTGCGGCACA
TGGAGCCTGACCTTAGTGCCAGGGTCACCATCTACCAGTTTCCTTGGCCAAAGACTCAACAGGTGCAGC
AGATCCCCCAGCCCCACATCGTAGGAAGTGGAAAGAGACGCCGAGGAGTGGAACTCTACTACCCGAT
GCAGCTGGACCTGGAGTATGTGAGGAGTGGCTGGGACAACACTACGAGTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG227591 representing NM_001142464
Red=Cloning site Green=Tags(s)

MSWVQATLLARGLCRAWGGTCGAALTGTSISQVPRRLPRGLHCSAAAHSSEQSLVSPPEPRQRPTKALV
 PFEDLFGQAPGGERDKASFLQTVQKFAEHSVRKRGHIDFIYLALRKMREYGVVERDLAVYNQLLNIFPKEV
 FRPRNIIQRIQFVHYPRQEQCGIAVLEQMENHGVMPNKETEFLLIQIFGRKSYPLMLKLVRLKLVWFRPMNV
 NPFPVPRDLPQDPVELAMFGLRHMEPDL SARVTIYQVPLPKDSTGAADPPQPHIVGSGRDAGGVEPLLPD
 AAGPGVCEEWLGQLRV

TRTRPLE - GFP Tag - V

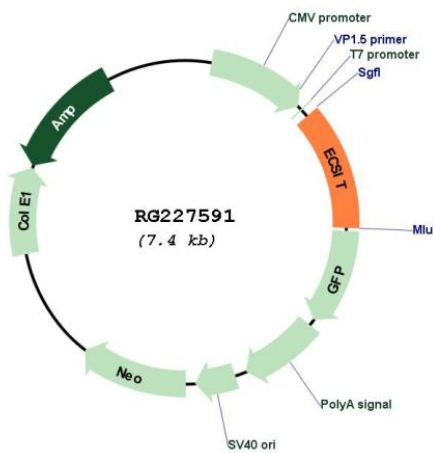
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001142464

ORF Size: 888 bp

OTI Disclaimer:	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:	NM_001142464.3
RefSeq Size:	1561 bp
RefSeq ORF:	891 bp
Locus ID:	51295
UniProt ID:	Q9BQ95
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]