

Product datasheet for **RC227591**

ECSIT (NM_001142464) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ECSIT (NM_001142464) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ECSIT
Synonyms: SITPEC
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC227591 representing NM_001142464
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGCTGGGTCCAGGCCACCCTACTGGCCGAGGCCTCTGTAGGGCCTGGGGAGGCACCTGCGGGGCCG
CCCTCACAGGAACCTCCATCTCTCAGGTCCTCGCCGGCTCCCTCGGGCCTCCACTGCAGCGCAGCTGC
CCATAGCTCTGAACAGTCCCTGGTTCAGCCACCGGAACCCCGCAGAGGCCACCAAGGCTCTGGTG
CCCTTTGAGGACCTGTTGGGCAGGCGCCTGGTGGGAACGGGACAAGGCGAGCTTCTGCAGACGGTGC
AGAAATTTGCGGAGCACAGCGTGCCTAAGCGGGCCACATTGACTTCATCTACCTGGCCCTGCGCAAGAT
GCGGGAGTATGGTGTGCGAGCGGACCTGGCTGTGTACAACCAGCTGCTCAACATCTTCCCAAGGAGGTC
TTCCGGCCTCGCAACATCATCCAGCGCATCTTCGTCCACTACCCTCGGCAGCAGGAGTGTGGATTGCTG
TCCTGGAGCAGATGGAGAACCACGGTGTGATGCCAACAAGGAGACGGAGTTCCTGCTGATTCAGATCTT
TGGACGCAAAAGCTACCCCATGCTCAAGTTGGTGCCTGAAGCTGTGGTTCCCTCGATTGATGAACGTC
AACCCCTCCAGTGCCCGGACCTGCCCGAGACCCTGTGGAGCTGGCCATGTTTGGCCTGCGGCACA
TGGAGCCTGACCTTAGTGCCAGGGTCACCATCTACCAGTTCTTTGCCAAAGACTCAACAGGTGCAGC
AGATCCCCCAGCCCCACATCGTAGGAAGTGGAAAGAGACGCCGAGGAGTGGAACTCTACTACCCGAT
GCAGCTGGACCTGGAGTATGTGAGGAGTGGCTGGGACAACACTACGAGTT

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA**



Protein Sequence: >RC227591 representing NM_001142464
Red=Cloning site Green=Tags(s)

MSWVQATLLARGLCRAWGGTCGAALTGTSISQVPRRLPRGLHCSAAAHSSEQSLVSPPEPRQRPTKALV
 PFEDLFGQAPGGERDKASFLQTVQKFAEHSVRKRGHIDFIYLALRKMREYGVVERDLAVYNQLLNIFPKEV
 FRPRNIIQRI FVHYPRQQECCGI AVL EQMENHGVMPNKETEFLLIQIFGRKSYPM LKLVRLKLVWFRFMNV
 NPFPVPRDLPQDPVELAMFGLRHMEPDL SARVTIYQVPLPKDSTGAADPPQPHIVGSGRDAGGVEPLLPD
 AAGPGVCEEWLGLRV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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:

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](#)

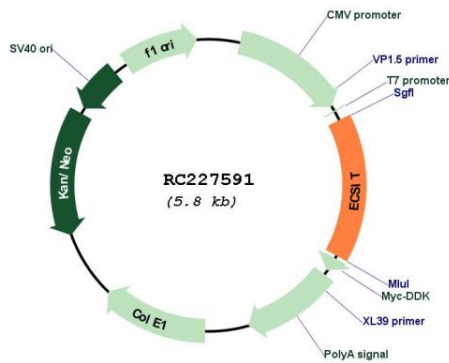
Cytogenetics: 19p13.2

Protein Pathways: MAPK signaling pathway

MW: 33.2 kDa

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 RC227591