

Product datasheet for SC325617

ECSIT (NM_001142465) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ECSIT (NM_001142465) Human Untagged Clone
Tag:	Tag Free
Symbol:	ECSIT
Synonyms:	SITPEC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325617 representing NM_001142465. Blue=Insert sequence Red=Cloning site Green=Tag(s)

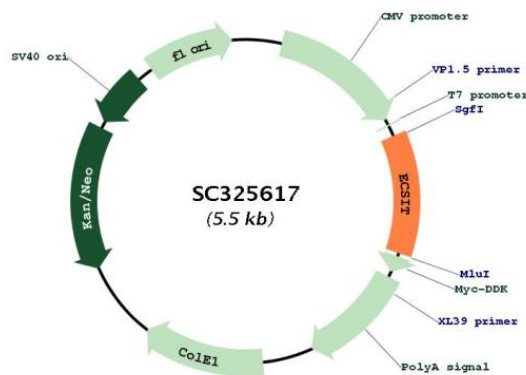
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGCTGGGTCCAGGCCACCCTACTGGCCGAGGCTCTGTAGGGCTGGGGAGGCACCTGCGGGCC
GCCCTCACAGGAACCTCCATCTCTCAGGTTCTTTGCCAAAGACTCAACAGGTGCAGCAGATCCCCC
CAGCCCCACATCGTAGGAATCCAGAGTCCCGATCAGCAGGCCGCCCTGGCCGCCACAATCCAGCCCG
CCTGTCTTTGTTGAGGGCCCTTCTCCCTGTGGCTCCGCAACAAGTGTGTATTACCACATCCTCAGA
GCTGACTTGTGCCCCCGAGGAGAGGGAAGTGAAGAGACGCCGAGGAGTGGAACCTCTACTACCCG
ATGCAGCTGGACCTGGAGTATGTGAGGAGTGGCTGGGACAACACGAGTTTGACATCAATGAAGTGGAG
GAAGGCCCTGTCTTCGCCATGTGCATGGCGGGTGTCTATGACCAGGCGACGATGGCTAAGTGATCCAG
GGCCTGCAGGAGACCAACCAACCCTGGCCAGATCCCCGTGGTCTTCCGCTCGCCGGGTCCACCCGG
GAGCTCCAGACATCCTCTGCAGGGCTGGAGGAGCCGCCCTGCCGAGGACCACCAGGAAGAAGACGAC
AACCTGCAGCGACAGCAGCAGGGCCAGAGCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001142465

Insert Size: 654 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001142465.2](#)

RefSeq Size:	1068 bp
RefSeq ORF:	654 bp
Locus ID:	51295
UniProt ID:	<u>Q9BQ95</u>
Cytogenetics:	19p13.2
Protein Pathways:	MAPK signaling pathway
MW:	24.2 kDa
Gene Summary:	<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 (3) lacks two consecutive exons in the coding region but maintains the reading frame, compared to variant 1. The encoded isoform (3) is shorter than isoform 1.</p>