

Recombinant Human ECSIT Homolog (Drosophila), His-tagged

Cat. No. ECSIT-7177H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ECSIT protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW: 24.6 kDa.
Species	Human
Source	E.coli
ProteinLength	19-217aa
Description	ECSIT is a ubiquitously expressed protein that plays an important role as an adaptor protein in the cytosolic signal transduction cascade events triggered by Toll receptor activation. It was initially identified as a cytoplasmic protein interacting specifically with TNF receptor associated factor (TRAF)-6 in the TLR pathway. Knockdown of ECSIT results in severely impaired complex I assembly and disturbed mitochondrial function.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT.
Molecular Mass	24.6 kDa (222aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MSGTCTGAAL TGTSISQVPL PKDSTGAADP PQPHIVGIQS PDQQAALARH NPARPVFVEG PFSLWLRNKC VYYHILRADL LPPEEREVEE TPEEWNLYYP MQLDLEYVRS GWDNYEFDIN EVEEGPVFAM CMAGAHDQAT MAKWIQGLQE TNPTLAQIPV VFRLAGSTRE LQTSSAGLEE PPLPEDHQEE DDNLQRQQQG QS

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Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	ECSIT ECSIT homolog (Drosophila) [Homo sapiens]
Official Symbol	ECSIT
Synonyms	ECSIT; ECSIT homolog (Drosophila); evolutionarily conserved signaling intermediate in Toll pathway, mitochondrial; signaling intermediate in Toll pathway evolutionarily conserved ortholog (mouse); SITPEC; likely ortholog of mouse signaling intermediate in Toll pathway evolutionarily conserved;
Gene ID	51295
mRNA Refseq	NM_001142464
Protein Refseq	NP_001135936
MIM	608388
UniProt ID	Q9BQ95
Chromosome Location	19p13.2

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Pathway

Activated TLR4 signalling, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; MyD88 cascade initiated on plasma membrane, organism-specific biosystem;

Function

oxidoreductase activity, acting on NADH or NADPH; protein binding;

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