

# Recombinant human ECSIT protein

Catalog Number: ATGP1745

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

19-217aa

### UniProt No.

Q9BQ95

### NCBI Accession No.

NP\_001135937

### Alternative Names

Evolutionarily conserved signaling intermediate in Toll pathway mitochondrial, Evolutionarily conserved signaling intermediate in Toll pathway, mitochondrial, SITPEC

## PRODUCT SPECIFICATION

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### Molecular Weight

24.6 kDa (222aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### 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. Recombinant human ECSIT protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using

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conventional chromatography techniques.

### Amino acid Sequence

MGSSHHHHHHH SGLVPRGSH MSGTCTGAAL TGTSISQVPL PKDSTGAADP PQPHIVGIQS PDQQAALARH NPARPVFVEG  
PFSLWLRNKC VYYHILRADL LPPEEREVEE TPEEWNLVYP MQLDLEYVRS GWDNYEFDIN EVEEGPVFAM CMAGAHDQAT  
MAKWIQGLQE TNPTLAQIPV VFRLAGSTRE LQTSSAGLEE PPLPEDHQEE DDNLQRQQQG QS

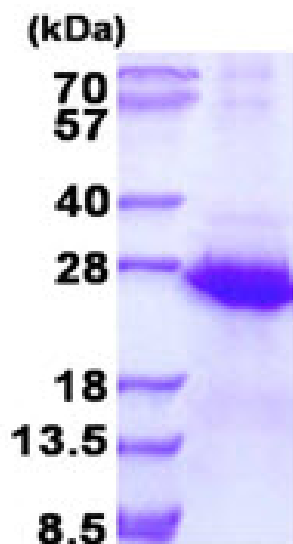
### General References

Moustakas A., et al. (2003) Genes Dev 17:2855-2859

Vogel R O., et al. (2007) Genes Dev. 21: 615-624.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)