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## **Recombinant human ECSIT protein**

Catalog Number: ATGP1745

## **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

19-217aa

#### **UniProt No.**

O9BO95

## **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**

#### **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**

## **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.

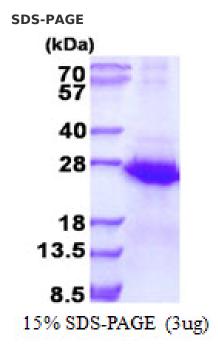
## **Amino acid Sequence**

MGSSHHHHHH SSGLVPRGSH MGSGTCGAAL TGTSISQVPL PKDSTGAADP PQPHIVGIQS PDQQAALARH NPARPVFVEG PFSLWLRNKC VYYHILRADL LPPEEREVEE TPEEWNLYYP MQLDLEYVRS GWDNYEFDIN EVEEGPVFAM CMAGAHDQAT MAKWIQGLQE TNPTLAQIPV VFRLAGSTRE LQTSSAGLEE PPLPEDHQEE DDNLQRQQQG QS

#### **General References**

Moustakas A., et al. (2003) Genes Dev17:2855-2859 Vogel R O., et al. (2007) Genes Dev. 21: 615-624.

### **DATA**



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

