

---

## Product Data Sheet

---

Product Name: ECSIT Human  
 Cat. No.: GP23350  
 Batch No.: 1

### Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ECSIT Homolog (Drosophila); Evolutionarily Conserved Signaling Intermediate In Toll Pathway Mitochondrial; Likely Ortholog Of Mouse Signaling Intermediate In Toll Pathway Evolutionarily Conserved; Protein SITPEC.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MSGTCTGAAL TGTSISQVPL PKDSTGAADP PQPHIVGIQS PDQQAALARH NPARPVFVEG PFSLWLRNKC VYYHILRADL LPPEEREVEE TPEEWNLYYP MQLDLEYVRS GWDNYEFDIN EVEEGPVFAM CMAGAHDQAT MAKWIQGLQE TNPTLAQIPV VFRLAGSTRE LQTSSAGLEE PPLPEDHQEE DDNLQRQQQG QS		
Formulation	The ECSIT solution contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 1mM DTT and 10% glycerol.		

### Introduction

ECSIT homolog (ECSIT) is a ubiquitously expressed protein which has a vital role as an adaptor protein in the cytosolic signal transduction cascade events triggered by Toll receptor activation. ECSIT promotes proteolytic activation of MAP3K1. ECSIT is also involved in the BMP signaling pathway. ECSIT is essential for normal embryonic development. ECSIT was originally classified as a cytoplasmic protein interacting specifically with TNF receptor associated factor (TRAF)-6 in the TLR pathway. ECSIT gene knockdown results in gravely impaired complex I assembly and disrupted mitochondrial function.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

## Product Data Sheet

---

HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

ECSIT Human Recombinant produced in E. coli is a single polypeptide chain containing 222 amino acids (19-217) and having a molecular mass of 24.6 kDa. ECSIT is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

**Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com**

**Address: 10292 Central Ave. #205, Montclair, CA, USA**