

Recombinant Human ELOC protein, His & T7-tagged

Cat. No. ELOC-1097H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ELOC aa. (Met1~Cys112 (Accession # Q15369) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Cys112
Description	This gene encodes the protein elongin C, which is a subunit of the transcription factor B (SIII) complex. The SIII complex is composed of elongins A/A2, B and C. It activates elongation by RNA polymerase II by suppressing transient pausing of the polymerase at many sites within transcription units. Elongin A functions as the transcriptionally active component of the SIII complex, whereas elongins B and C are regulatory subunits. Elongin A2 is specifically expressed in the testis, and capable of forming a stable complex with elongins B and C. The von Hippel-Lindau tumor suppressor protein binds to elongins B and C, and thereby inhibits transcription elongation. Multiple alternatively spliced transcript variants encoding two distinct isoforms have been identified.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 16.2kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 4.7.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
GENE INFORMATION	
Gene Name	ELOC elongin C [Homo sapiens (human)]
Official Symbol	ELOC
Synonyms	ELOC; elongin C; SIII; TCEB1; elongin-C; transcription elongation factor B polypeptide 1; RNA polymerase II transcription factor SIII subunit C; SIII p15; elongin 15 kDa subunit; transcription elongation factor B (SIII), polypeptide 1 (15kDa, elongin C); transcription elongation factor B subunit 1

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Gene ID	6921
mRNA Refseq	NM_001204857.1
Protein Refseq	NP_001191786.1
UniProt ID	Q15369
SDS-PAGE	