OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for PH301393

ELOB (NM_007108) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TCEB2 MS Standard C13 and N15-labeled recombinant protein (NP_009039)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201393
Predicted MW:	13.1 kDa
Protein Sequence:	>RC201393 protein sequence Red=Cloning site Green=Tags(s) MDVFLMIRRHKTTIFTDAKESSTVFELKRIVEGILKRPPDEQRLYKDDQLLDDGKTLGECGFTSQTARPQ APATVGLAFRADDTFEALCIEPFSSPPELPDVMKPQDSGSSANEQAVQ TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_009039
RefSeq Size:	1009
RefSeq ORF:	354
Synonyms:	SIII; TCEB2
Locus ID:	6923
UniProt ID:	Q15370
Cytogenetics:	16p13.3

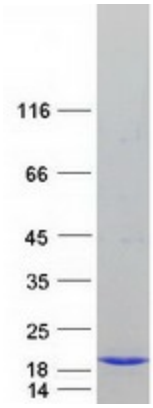
View online »

Summary: This gene encodes the protein elongin B, 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. Two alternatively spliced transcript variants encoding different isoforms have been described for this gene. Pseudogenes have been identified on chromosomes 11 and 13. [provided by RefSeq, Aug 2008]

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Pathways in cancer, Renal cell carcinoma, Ubiquitin mediated proteolysis

Product images:



Coomassie blue staining of purified ELOB protein (Cat# [TP301393]). The protein was produced from HEK293T cells transfected with ELOB cDNA clone (Cat# [RC201393]) using MegaTran 2.0 (Cat# [TT210002]).