Elongin A1 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	Elongin A1 (ELOA), Blocking Peptide
Full Product Name	Elongin A1 Blocking Peptide
Product Gene Name	ELOA blocking peptide
Product Synonym Names	Ela1; Elo A; EloA; ELOA1_HUMAN; Elongin 110 kDa subunit; Elongin-A; ElonginA; RNA polymerase II transcription factor SIII subunit A1; SIII; SIII p110; TCEB 3; Tceb3; TCEB3A; Transcription elongation factor B (SIII) polypeptide 3 (110kD); Transcription elongation factor B (SIII) polypeptide 3; Transcription elongation factor B alpha subunit; Transcription elongation factor B polypeptide 3
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	Elongin A1 peptide (MBS9619557) is used for blocking the activity of Elongin A1 antibody (MBS9602102)
Molecular Weight	89,909 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (24069856..24088549). Location: 1p36.1
OMIM	600786
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for ELOA blocking peptide	Blocking/Control
Related Product Information for ELOA blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of ELOA blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ELOA purchase	MBS9619557 is a blocking peptide targeting ELOA. Also known as Elongin A1 Blocking Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ELOA. It may not necessarily be applicable to this product.

NCBI GI #	208022641
NCBI GeneID	6924
NCBI Accession #	NP_003189.2

UniProt Primary Accession #	Q14241
UniProt Secondary Accession #	Q8IXH1; B2R7Q8
UniProt Related Accession #	Q14241
GenBank Nucleotide #	NM_003198.2
NCBI Official Full Name	transcription elongation factor B polypeptide 3
NCBI Official Synonym Full Names	transcription elongation factor B (SIII), polypeptide 3 (110kDa, elongin A)
NCBI Official Symbol	TCEB3
NCBI Official Synonym Symbols	EloA; SIII; TCEB3A; SIII p110
UniProt Protein Name	Transcription elongation factor B polypeptide 3
UniProt Synonym Protein Names	Elongin 110 kDa subunit; Elongin-A; EloA; RNA polymerase II transcription factor SIII subunit A1; SIII p110
Protein Family	Elongation of fatty acids protein
UniProt Gene Name	TCEB3
UniProt Synonym Gene Names	EloA
UniProt Entry Name	ELOA1_HUMAN
NCBI Protein Information	transcription elongation factor B polypeptide 3; elongin-A; elongin 110 kDa subunit; transcription elongation factor B alpha subunit; RNA polymerase II transcription factor SIII subunit A1
UniProt Comments for ELOA	TCEB3: SIII, also known as elongin, is a general transcription elongation factor that increases the RNA polymerase II transcription elongation past template-encoded arresting sites. Subunit A is transcriptionally active and its transcription activity is strongly enhanced by binding to the dimeric complex of the SIII regulatory subunits B and C (elongin BC complex). Heterotrimer of an A (A1, A2 or A3), B and C subunit. The C subunit mediates the binding of the elongin BC complex to subunit A. Protein type: Transcription factor; DNA-binding Chromosomal Location of Human Ortholog: 1p36.1 Cellular Component: nucleoplasm; extracellular space; cytoplasm; integral to membrane; nucleus Molecular Function: DNA binding Biological Process: regulation of transcription from RNA polymerase II promoter; transcription from RNA polymerase II promoter; viral reproduction; positive regulation of viral transcription; RNA elongation from RNA polymerase II promoter; gene expression
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