SP6 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	SP6, Blocking Peptide
Full Product Name	SP6 Blocking Peptide
Product Gene Name	SP6 blocking peptide
Product Synonym Names	MGC119665; Epfn; EPIPROFIN; KLF14; Krueppel-like factor 14; MGC119662; MGC119663; MGC119664; Sp6; Sp6 transcription factor; SP6_HUMAN; Transcription factor Sp6
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	SP6 peptide (MBS9628103) is used for blocking the activity of SP6 antibody (MBS9609399)
Molecular Weight	39,840 Da
OMIM	608613
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 SP6 blocking peptide	Blocking/Control
Related Product Information for SP6 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 SP6 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 SP6 purchase	MBS9628103 is a blocking peptide targeting SP6.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SP6. It may not necessarily be applicable to this product.

NCBI GI #	384871624
NCBI GeneID	80320
NCBI Accession #	NP_001245177.1
UniProt Primary Accession #	Q3SY56
UniProt Secondary Accession #	B3KXS4
UniProt Related Accession #	Q3SY56

GenBank Nucleotide #	NM_001258248.1
NCBI Official Full Name	transcription factor Sp6
NCBI Official Synonym Full Names	Sp6 transcription factor
NCBI Official Symbol	SP6
NCBI Official Synonym Symbols	EPFN; KLF14; EPIPROFIN
UniProt Protein Name	Transcription factor Sp6
UniProt Synonym Protein Names	Krueppel-like factor 14
Protein Family	Transcription factor
UniProt Gene Name	SP6
UniProt Synonym Gene Names	KLF14
UniProt Entry Name	SP6_HUMAN
NCBI Protein Information	transcription factor Sp6; Kruppel-like factor 14; krueppel-like factor 14
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Online datasheet: https://www.mybiosource.com/blocking-peptide/sp6/9628103