YY1 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	YY1, Blocking Peptide
Full Product Name	YY1 Blocking Peptide
Product Gene Name	YY1 blocking peptide
Product Synonym Names	CF1; Delta; Delta transcription factor; INO80 complex subunit S; INO80S; NF E1; NF-E1; NFE1; OTTHUMP00000197459; Transcriptional repressor protein YY1; TYY1_HUMAN; UCR motif DNA binding protein; UCRBP; Yin and yang 1; Yin and Yang 1 protein; Yin Yang 1; Ying Yang 1; YY 1; YY 1 transcription factor; YY-1; YY1; YY1 transcription factor
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	YY1 peptide (MBS9627249) is used for blocking the activity of YY1 antibody (MBS9608537)
Molecular Weight	44,713 Da
OMIM	600013
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 YY1 blocking peptide	Blocking/Control
Related Product Information for YY1 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 YY1 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 YY1 purchase	MBS9627249 is a blocking peptide targeting YY1.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for YY1. It may not necessarily be applicable to this product.

NCBI GI #	4507955
NCBI GeneID	7528
NCBI Accession #	NP_003394.1
UniProt Primary Accession #	P25490

UniProt Secondary Accession #	Q14935
UniProt Related Accession #	P25490
GenBank Nucleotide #	NM_003403.4
NCBI Official Full Name	Homo sapiens YY1 transcription factor (YY1), mRNA
NCBI Official Synonym Full Names	YY1 transcription factor
NCBI Official Symbol	YY1
NCBI Official Synonym Symbols	DELTA; NF-E1; UCRBP; INO80S; YIN-YANG-1
UniProt Protein Name	Transcriptional repressor protein YY1
UniProt Synonym Protein Names	Delta transcription factor; INO80 complex subunit S; NF-E1; Yin and yang 1
Protein Family	Transcriptional repressor protein
UniProt Gene Name	YY1
UniProt Synonym Gene Names	INO80S; YY-1
UniProt Entry Name	TYY1_HUMAN
NCBI Protein Information	transcriptional repressor protein YY1; INO80 complex subunit S; YY-1; Yin and Yang 1 protein; delta transcription factor
NCBI Summary for YY1	YY1 is a ubiquitously distributed transcription factor belonging to the GLI-Kruppel class of zinc finger proteins. The protein is involved in repressing and activating a diverse number of promoters. YY1 may direct histone deacetylases and histone acetyltransferases to a promoter in order to activate or repress the promoter, thus implicating histone modification in the function of YY1. [provided by RefSeq, Jul 2008]
Research Articles on YY1	**1.** Findings revealed that the expression of YY1 is upregulated in Multiple myeloma, its higher nuclear localization is associated with disease progression.
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