POU2AF1 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	POU2AF1, Blocking Peptide
Full Product Name	POU2AF1 Blocking Peptide
Product Gene Name	POU2AF1 blocking peptide
Product Synonym Names	B cell Oct binding protein 1; B cell specific coactivator OBF 1; B cell specific coactivator OBF1; B-cell-specific coactivator OBF-1; BOB 1; BOB-1; OBF 1; OBF1; OBF1_HUMAN; OCA B; OCA-B; OCAB; OCT binding factor 1; OCT-binding factor 1; POU class 2 associating factor 1; POU domain class 2 associating factor 1; POU domain class 2-associating factor 1; Pou2af1
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	POU2AF1 peptide (MBS9622833) is used for blocking the activity of POU2AF1 antibody (MBS9604116)
Molecular Weight	27,436 Da
OMIM	601206
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 POU2AF1 blocking peptide	Blocking/Control
Related Product Information for POU2AF1 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 POU2AF1 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 POU2AF1 purchase	MBS9622833 is a blocking peptide targeting POU2AF1.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for POU2AF1. It may not necessarily be applicable to this product.

NCBI GI #	167900478
NCBI GeneID	5450
NCBI Accession #	NP_006226.2
UniProt Primary Accession #	Q16633

UniProt Secondary Accession #	Q14983; B2R8Z9
UniProt Related Accession #	Q16633
GenBank Nucleotide #	NM_006235.2
NCBI Official Full Name	POU domain class 2-associating factor 1
NCBI Official Synonym Full Names	POU class 2 associating factor 1
NCBI Official Symbol	POU2AF1
NCBI Official Synonym Symbols	BOB1; OBF1; OCAB; OBF-1
UniProt Protein Name	POU domain class 2-associating factor 1
UniProt Synonym Protein Names	B-cell-specific coactivator OBF-1; BOB-1; OCA-B; OCT-binding factor 1
Protein Family	POU domain class 2-associating factor
UniProt Gene Name	POU2AF1
UniProt Synonym Gene Names	OBF1
UniProt Entry Name	OBF1_HUMAN
NCBI Protein Information	POU domain class 2-associating factor 1; B-cell-specific coactivator OBF-1; BOB-1; OCA-B; OCT-binding factor 1; POU domain, class 2, associating factor 1
UniProt Comments for POU2AF1	POU2AF1: Transcriptional coactivator that specifically associates with either OCT1 or OCT2. It boosts the OCT1 mediated promoter activity and to a lesser extent, that of OCT2. It has no intrinsic DNA-binding activity. It recognizes the POU domains of OCT1 and OCT2. It is essential for the response of B-cells to antigens and required for the formation of germinal centers. A chromosomal aberration involving POU2AF1/OBF1 may be a cause of a form of B-cell leukemia. Translocation t(3;11)(q27;q23) with BCL6. Belongs to the POU2AF1 family. Protein type: Transcription, coactivator/corepressor; Oncoprotein Chromosomal Location of Human Ortholog: 11q23.1 Cellular Component: nucleus Molecular Function: protein binding; DNA binding; transcription coactivator activity; transcription cofactor activity Biological Process: transcription from RNA polymerase II promoter; regulation of transcription, DNA-dependent; humoral immune response
Research Articles on POU2AF1	**1.** It has been identified as a new disease susceptibility gene among Japanese. Though different from Europeans, it is indicated that a B lymphocyte differentiation route shares a common disease developing process. [Review]
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