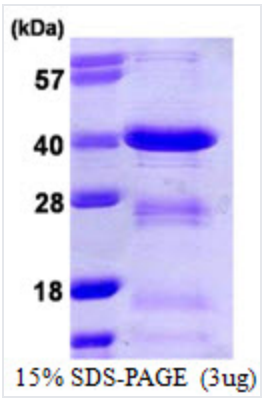
POu2AF1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	POu2AF1, Recombinant Protein
Full Product Name	POu2AF1, 1-256aa, Human, His tag, E Coli
Product Gene Name	POu2AF1 recombinant protein
Product Synonym Names	POu domain class 2-associating factor 1; BOB1; OBF-1; OBF1; OCAB
Sequence	MGSSHHHHHH SSGLVPRGSH MLWQKPTAPE QAPAPARPYQ GVRVKEPVKE LLRRKRGHAS SGAAPAPTAV VLPHQPLATY TTVGPSCLDM EGSVSAVTEE AALCAGWLSQ PTPATLQPLA PWTPYTEYVP HEAVSCPYSA DMYVQPVCPS YTVVGPSSVL TYASPPLITN VTTRSSATPA VGPPLEGPEH QAPLTYFPWP QPLSTLPTST LQYQPPAPAL PGPQFVQLPI SIPEPVLQDM EDPRRAASSL TIDKLLLEEE DSDAYALNHT LSVEGF
Host	E Coli
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol
Purity/Purification	> 85% by SDS-PAGE
Concentration	0.5 mg/ml (determined by Bradford assay) (lot specific)
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.
Molecular Weight	29.6 kDa (276aa), confirmed by MALDI-TOF (molecular weight on SDS-PAGE will appear higher)
OMIM	Z47550 mRNA
3D Structure	ModBase 3D Structure for Q16633
Antigen Species	Human
Tag Information	His-tag
Product Categories/Family for POu2AF1 recombinant protein	Immunology
Applications Tested/Suitable for POu2AF1 recombinant protein	SDS-PAGE
Related Product Information for POu2AF1 recombinant protein	POu2AF1, also known as BOB1, is a lymphocyte specific transcription coactivator protein. This protein interacts only with the Oct1/2 proteins through sub domains in the POu domain of the Oct1/2 proteins, enhancing their transcriptional efficacy. Although having no intrinsic capacity for DNA binding, POu2AF1 associates tightly with the octomer motif in the presence of Oct1 and Oct2. POu2AF1 is expressed at highest levels in spleen and peripheral blood leukocytes. Recombinant human POu2AF1 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography.
Product References and Citations for POu2AF1 recombinant protein	Gstaiger M., et al. (1995) Nature. 373:360-362; Luo Y., et al. (1995) Mol. Cell. Biol. 15:4115-4124
Other Notes	Small volumes of POu2AF1 recombinant protein 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	MBS204714 is a recombinant protein targeting POu2AF1. Also known as POu2AF1, 1-256aa, Human, His tag, E Coli. Host: E Coli.



SDS-Page of POu2AF1 recombinant protein

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
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
NCBI Protein Information	POU domain class 2-associating factor 1
UniProt Comments for 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.
Research Articles on POu2AF1	**1.** These findings demonstrate for the first time that functional polymorphism in the 3'-UTR of POU2AF1 is associated with susceptibility, and that single-nucleotide polymorphisms interaction with hsa-miR-633 affects gene expression and increases the risk of lymphoma.
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