

Recombinant Human POU2AF1, His-tagged

Cat. No. POU2AF1-3570H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human POU2AF1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography (1-256aa).
Species	Human
Source	E.coli
Description	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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol
Molecular Mass	29.6 kDa (276aa), confirmed by MALDI-TOF (molecular weight on SDS-PAGE will appear higher)
Purity	> 85 % by SDS-PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MLWQKPTAPE QAPAPARPYQ GVRVKEPVKE LLRRKRGHAS SGAAPAPTAV VLPHQPLATY TTVGPSCLDM EGSVSAVTEE

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AALCAGWLSQ PTPATLQPLA PWTPYTEYVP HEAVSCPYSY DMYVQPVCP
 YTVVGPSSVL TYASPLITN VTTRSSATPA VGPPLEGPEH QAPLTYFPWP
 QPLSTLPTST LQYQPPAPAL PGPQFVQLPI SIPEPVLQDM EDPRAASSL
 TIDKLLLEEE DSDAYALNHT LSVEGF

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

POU2AF1 POU class 2 associating factor 1 [Homo sapiens]

Official Symbol

POU2AF1

Synonyms

POU2AF1;POU class 2 associating factor 1; OBF1; BOB-1; OCT-binding factor 1; OCA-B; B-cell-specific coactivator OBF-1; POU domain class 2, associating factor 1; OBF-1; BOB1; OCAB; POU domain, class 2, associating factor 1; POU domain class 2-associating factor 1

Gene ID

5450

mRNA Refseq

NM_006235

Protein Refseq

NP_006226

MIM

601206

UniProt ID

Q16633

**Chromosome
Location**

11q23.1

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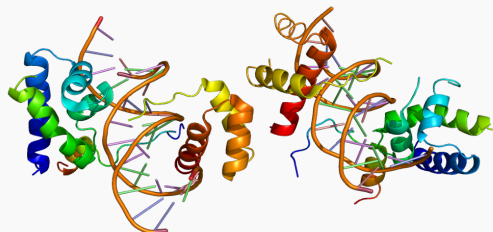
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Function

DNA binding; protein binding; transcription coactivator activity; transcription cofactor activity

PDBrendering based on 1cqt.



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