

# Recombinant human POU2AF1 protein

Catalog Number: ATGP1122

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

1-256aa

### UniProt No.

Q16633

### NCBI Accession No.

NP\_006226

### Alternative Names

POu domain class 2-associating factor 1, BOB1, OBF-1, OBF1, OCAB

## PRODUCT SPECIFICATION

---

### Molecular Weight

29.6 kDa (276aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

---

### 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. Recombinant human POU2AF1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

## Recombinant human POU2AF1 protein

Catalog Number: ATGP1122

### Amino acid Sequence

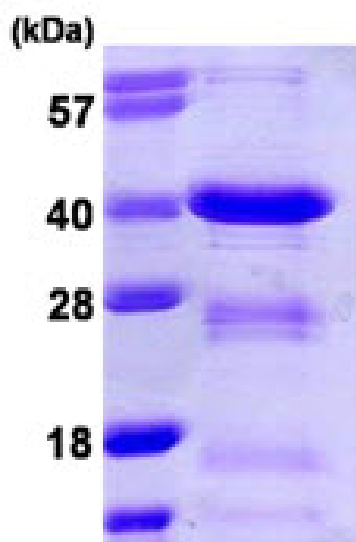
MGSSHHHHHH SGLVPRGSH MLWQKPTAPE QAPAPARPYQ GVRVKEPVKE LLRRKRGHAS SGAAPAPTAV VLPHQPLATY  
TTVGPSCLDM EGSVSAVTEE AALCAGWLSQ PTPATLQPLA PWTPYTEYVP HEAVSCPISA DMYVQPVCPS YTVVGPSSVL  
TYASPLITN VTTRSSATPA VGPPLEGPEH QAPLTYFPWP QPLSTLPTST LQYQPPAPAL PGPQFVQLPI SIPEPVLQDM  
EDPRRAASSL TIDKLLLEEE DSDAYALNHT LSVEGF

### General References

Gstaiger M., et al. (1995) Nature. 373:360-362  
Luo Y., et al. (1995) Mol. Cell. Biol. 15:4115-4124

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)