

# Product information

## POU2AF1 1-256aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1122

**Full name:** POU domain class 2-associating factor 1

**NCBI Accession No.:** NP\_006226

**Synonyms:** BOB1, OBF-1, OBF1, OCAB

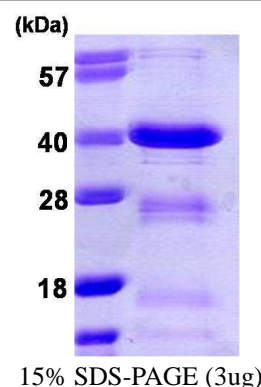
**Description:** POU2AF1, also known as BOB1, is a lymphocyte specific transcription coactivator protein. This protein interacts only with the Oct1/2 proteins through sub domains in the POU domain of the Oct1/2 proteins, enhancing their transcriptional efficacy. Although having no intrinsic capacity 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.

**Form:** Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol

**Molecular Weight:** 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 SSSLVPRGSH MLWQKPTAPE QAPAPARPYQ GVRVKEPVKE LLRRKRGHAS SGAAPAPTAV VLPHQPLATY TTVGSPCLDM  
EGSVSAVTEE AALCAGWLSQ PTPATLQPLA PWTPTYEYVP HEAVSCPYSA DMYVQPVGPS YTVVGPSSVL TYASPPLITN VTTRSSATPA  
VGPPLGPEH QAPLTYFPWP QPLSTLPTST LQYQPPAPAL PGPQFVQLPI SIPEPVLQDM EDPRAASSL 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

**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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.