

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.

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Amino acid Sequence

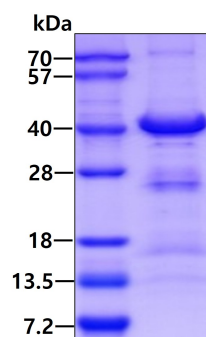
<MGSSHHHHHH SSGLVPRGSH> MLWQKPTAPE QAPAPARPYQ GVRVKEPVKE LLRRKRGHAS SGAAPAPTAV
VLPHQPLATY TTVGPSCLDM EGSVSAVTEE AALCAGWLSQ PTPATLQPLA PWTPYTEYVP HEAVSCPISA DMYVQPVCPS
YTVVGPSSVL TYASPLITN VTRSSATPA VGPPLEGPEH QAPLTYFPWP QPLSTLPTST LQYQPPAPAL PGPQFVQLPI
SIPEPVLQDM EDPRAAASSL TIDKLLLEEE DSDAYALNHT LSVEGF

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.