

# Recombinant human POU6F1 protein

Catalog Number: ATGP2126

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

1-301aa

### UniProt No.

Q14863

### NCBI Accession No.

NP\_002693

### Alternative Names

POu domain class 6 transcription factor 1, POu domain, class 6, transcription factor 1, BRN5, MPOu, TCFB1

## PRODUCT SPECIFICATION

---

### Molecular Weight

35 kDa (324aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

### 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

POu6F1 belongs to the POu transcription factor family. This protein is transcription factor that binds preferentially to a variant of the octamer motif (5'-ATGATAAT-3'). In the embryo, it is expressed exclusively in the developing brain, whereas in the adult its expression is restricted to brain, heart, skeletal muscle and lung. In the brain, the highest expression levels are found in specific cell layers of the cortex, the olfactory bulb, the hippocampus and the cerebellum. Recombinant human POU6F1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

# Recombinant human POU6F1 protein

Catalog Number: ATGP2126

## Amino acid Sequence

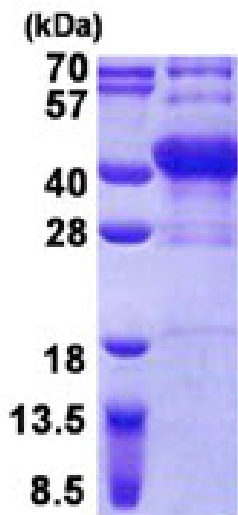
MGSSHHHHHHH SSSLVPRGSH MGSMPGISSQ ILTNAQGQVI GTLPWVVNSA SVAAPAPAQS LQVQAVTPQL LLNAQGQVIA  
TLASSPLPPP VAVRKPSTPE SPAKSEVQPI QPTPTVPQPA VVIASPAPAA KPSASAPIPI TCSETPTVSQ LVSKPHTPSL  
DEDGINLEEI REFAKNFKIR RLSLGLTQTQ VGQALTATEG PAYSQSAICR FEKLDITPKS AQLKPVLEK WLNEAELRNQ  
EGQQLMEFV GGEPSSKKRKR RTSFTPQAIE ALNAYFEKNP LPTGQEITEI AKELNYDREV VRVWFNRRQ TLKNTSKLNV  
FQIP

## General References

Wey E, Lyons GE, et al. (1994). Eur J Biochem. 220(3):753-62.  
Messier H, Brickner H, et al. (1993). Mol Cell Biol. 13(9):5450-60.

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)