

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.

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Amino acid Sequence

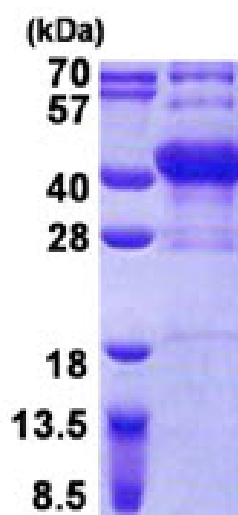
MGSSHHHHHH SSGLVPRGSH MGSMPGISSQ ILTNAQGQVI GTLPWVVNSA SVAAPAPAQS LQVQAVTPQL LLNAQGQVIA
TLASSPLPPP VAVRKPSTPE SPAKSEVQPI QPTPTVPQPA VVIASPAPAA KPSASAPIPI TCSETPTVSQ LVSKPHTPSL
DEDGINLEEI REFAKNFKIR RLSLGLTQTQ VGQALTATEG PAYSQSAICR FEKLDITPKS AQKLKPVLEK WLNEAELRNQ
EGQQNLMEFV GGEPSSKKRKR RTSFTPQAIE ALNAYFEKNP LPTGQEITEI AKELNYDREV VRVWFCNRRQ 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)