

Recombinant Human POU6F1, His-tagged

Cat. No. POU6F1-7615H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human POU6F1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-301aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT.
Molecular Mass	35kDa (324aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMPGISSQ ILTNAQGQVI GTLPWVNSA SVAAPAPAQS LQVQAVTPQL LLNAQGQVIA TCLASSPLPPP VAVRKPTPE SPAKSEVQPI QPTPTVPQPA VVIASPAPAA KPSASAPIPI TCSETPTVSQ LVSKPHTPSL DEDGINLEEI REFAKNFKIR RLSLGLTQTQ VGQALTATEG

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PAYSQSAICR FEKLDITPKS AQKLKPVLEK WLNEAELRNQ EGQQNLMEFV
GGEPSKKRKR RTSFTPQAIE ALNAYFEKNP LPTGQEITEI AKELNYDREV
VRVWFCNRRQ TLKNTSKLNV FQIP

Purity >85% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term. For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml

GENE INFORMATION

Gene Name [POU6F1 POU class 6 homeobox 1 \[Homo sapiens \]](#)

Official Symbol POU6F1

Synonyms POU6F1; POU class 6 homeobox 1; POU domain, class 6, transcription factor 1; BRN5; MPOU; TCFB1; brn-5; brain-5; mPOU homeobox protein; brain-specific homeobox/POU domain protein 5;

Gene ID [5463](#)

mRNA Refseq [NM_002702](#)

Protein Refseq [NP_002693](#)

UniProt ID [Q14863](#)

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Chromosome Location	12q13.13
Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;