

## 32-4489: Recombinant Human POU Class 6 Homeobox 1

**Alternative Name :** BRN5,MPOU,TCFB1,Brain-5,Brn-5,mPOU homeobox protein,Brain-specific homeobox/POU domain protein 5.

### Description

Source : Escherichia Coli. POU6F1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 324 amino acids (1-301 a.a.) and having a molecular mass of 35kDa.POU6F1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. POU6F1 is a member of the POU transcription factor family. POU6F1 is transcription factor that binds favorably to a variant of the octamer motif (5'-ATGATAAT-3'). POU6F1 is exclusively expressed in the embryo in the developing brain, however in the adult its expression is confined to the 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.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 85% as determined by SDS-PAGE.  
**Content :** The POU5F1 solution contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MGSMPGISSQ ILTNAQGQVI GTLPWVVNSA SVAAPAPAQS  
LQVQAVTPQL LLNAQGQVIA TLASSPLPPP VAVRKPSTPE SPAKSEVQPI QPTPTVPQPA VVIASPAPAA  
KPSASAPIPI TCSETPTVSQ LVSKPHTPSL DEDGINLEEI REFAKNFKIR RLSLGLTQTQ VGOALTATEG  
PAYSQSAICR FEKLDITPKS AQKLKPVLEK WLNEAELRNQ EGQQNLMEFV GGEPKSKRKR RTSFTPQAIE  
ALNAYFEKNP LPTGQEITEI AKELNYDREV VRVWFNRRQ TLKNTSKLNV FQIP.

