

POU Class 6 Homeobox 1 Human Recombinant

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| Item Number | rAP-4557 |
| Synonyms | BRN5, MPOU, TCFB1, Brain-5, Brn-5, mPOU homeobox protein, Brain-specific homeobox/POU domain protein 5. |
| Description | 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. |
| Uniprot Accession Number | Q14863 |
| Amino Acid Sequence | MGSSHHHHH SSGLVPRGSH MGSMPGISSQ ILTNAQQQVI GTLPWVVNSA SVAAPAPAQS LQVQAVTPQL LLNAQQGVIA 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. |
| Source | Escherichia Coli. |
| Physical Appearance and Stability | Sterile filtered colorless solution. 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. |
| Formulation and Purity | The POU5F1 solution contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol. Greater than 85% as determined by SDS-PAGE. |
| Application | |
| Solubility | |
| Biological Activity | |
| Shipping Format and Condition | Lyophilized powder at room temperature. |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**