

POU Class 5 Homeobox 1 Human Recombinant

Item Number	rAP-4555
Synonyms	POU domain class 5 transcription factor 1, Octamer-binding protein 3, Oct-3, Octamer-binding protein 4, Oct-4, Octamer-binding transcription factor 3, OTF-3, POU5F1, OCT3, OCT4, OTF3, OTF4, MGC22487.
Description	POU5F1 Human Recombinant produced in E. coli is a single polypeptide chain containing 285 amino acids (1-265) and having a molecular mass of 32.2 kDa. POU5F1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q01860
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MHFYRLFLGA TRRFLNPEWK GEIDNWCYVYV LTSLLPFIQ SQDIKALQKE LEQFAKLLKQ KRITLGYTQA DVGLTLGVLF GKVFSQTTIC RFEALQLSFK NMCKLRPLLQ KVVVEEADNNE NLQEICKAET LVQARKRKRT SIENRVGNL ENLFLQCPKP TLQQISHIAQ QLGLEKDVVR VWFCNRRQKG KRSSDYAQR EDFEAAGSPF SGGPVSFPLA PGPHFPTPGY GSPHFTALYS SVPFPEGEAF PPVSVTTLGS PMHSN.
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**