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POU6F1 Human

POU Class 6 Homeobox 1 Human Recombinant
RCP1696

Product Overview

Name	POU6F1 Human
Description	
POU Class 6 Homeobox 1 Human Recombinant	
Accession (Primary)	Q14863
Synonyms	
BRN5, MPOU, TCFB1, Brain-5, Brn-5, mPOU homeobox protein, Brain-specific homeobox/POU domain protein 5.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The POU5F1 solution contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 85% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MPGISSQ ILTNAQGQVI GTLPWVVNSA SVAAPAPAQS LQVQAVTPQL LLNAQGQVIA TLASSPLPPP VAVRKPSTPE SPAKSEVQPI QPTPTVPQPA VVIASPAPAA KPSASAPIPI TCSETPTVSQ LVSKPHTPSL DEDGINLEEI REFAKNFKIR RLSLGLTQTQ VGQALTATEG PAYSQSAICR FEKLDITPKS AQKLKPVLEK WLNEAELRNQ EGQQNLMEFV GGEPSKKRKR RTSFTPQAIE ALNAYFEKNP	

LPTGQEITEI AKELNYDREV VRVWFCNRRQ TLKNTSKLNV FQIP.

Precautions

POU6F1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q14863)