
Product Data Sheet

Product Name: POU6F1 Human
 Cat. No.: GP24218
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	BRN5; MPOU; TCFB1; Brain-5; Brn-5; mPOU homeobox protein; Brain-specific homeobox/POU domain protein 5.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMPGISSQ ILTNAQGQVI GTLPWVVNSA SVAAPAPAQS LQVQAVTPQL LLNAQGQVIA TLASSPLPPP VAVRKPSTPE SPAKSEVQPI QPTPTVPQPA VVIASPAPAA KPSASAPIPI TCSETPTVSQ LVSKPHTPSL DEDGINLEEI REFAKNFKIR RLSLGLTQTQ VGQALTATEG PAYSQSAICR FEKLDITPKS AQKLKPVLEK WLNEAELRNQ EGQQNLMEFV GGEPKRRKR RTSFTPQAIE ALNAYFEKNP LPTGQEITEI AKELNYDREV VRVWFCNRRQ TLKNTSKLNV FQIP.		
Formulation	The POU5F1 solution contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

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.

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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

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