

Recombinant Full Length Mouse Pou5f1 Protein, Myc/DDK-tagged

Cat. No. Pou5f1-5024M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length POU domain, class 5, transcription factor 1 (Pou5f1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	The protein encoded by this gene belongs to the POU domain family of transcription factors. POU domain transcription factors bind to a specific octamer DNA motif and regulate cell type-specific differentiation pathways. The encoded protein plays a key role in embryonic development and stem cell pluripotency. Alternative splicing results in multiple transcript variants.
Molecular Mass	38.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Pou5f1 POU domain, class 5, transcription factor 1 [*Mus musculus* (house mouse)]

Official Symbol Pou5f1

Synonyms POU5F1; POU domain, class 5, transcription factor 1; octamer-binding protein 3; octamer-binding protein 4; octamer-binding transcription factor 3; Oct3; Oct4; Otf3; Otf4; NF-A3; Oct-3; Oct-4; Otf-3; Otf-4; Otf3g; Oct3/4; Oct-3/4; Otf3-rs7

Gene ID 18999

mRNA Refseq NM_013633

Protein Refseq NP_038661

UniProt ID P20263

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