Recombinant Mouse Pou5f1 Protein, His-tagged

Cat. No. Pou5f1-640M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Pou5f1(Ser129~Asn352) fused with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ser129~Asn352
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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	29.2kDa
Identity	Reconstitute in PBS or others
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	> 95%

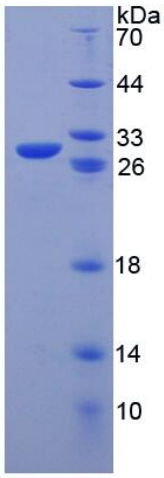
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	Pou5f1 POU domain, class 5, transcription factor 1 [Mus musculus]
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_001252452
Protein Refseq	NP_001239381
UniProt ID	P20263

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15% SDS-PAGE

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