POU Domain, Class 5, Transcription Factor 1 (POU5F1) Pan Troglodytes Recombinant Protein

PRODUCT OVERVIEW

Product Name	POU domain, class 5, transcription factor 1 (POU5F1), Recombinant Protein
Full Product Name	Recombinant Pan troglodytes POU domain, class 5, transcription factor 1 (POU5F1)
Product Gene Name	POU5F1 recombinant protein
Product Synonym Gene Name	POU5F1
Sequence	MAGHLTSDFA FSPPPGGGGD GPGGPEPGWV DPRTWLSFQG PPGGPGIGPG VGPGSEVWGI PPCPPPYEFC GGMAYCGPQV GVGLVPQGGL ETSQPEGEAG VGVESNSDGA SPEPCTVTPG AVKLEKEKLE QNPEESQDIK ALQKELEQFA KLLKQKRITL GYTQADVGLT LGVLFGKVFS QTTICRFEAL QLSFKNMCKL RPLLQKWVEE ADNNENLQEI CKAETLVQAR KRKRTSIENR VRGNLENLFL QCPKPTLQQI SHIAQQLGLE KDVVRVWFCN RRQKGKRSSS DYAQREDFEA AGSPFSGGPV SFPLAPGPHF GTPGYGSPHF TALYSSVPFP EGEAFPPVSV TTLGSPMHSN
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	38,601 Da
Sequence Positions	1-360, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q7YR49
Species	Pan troglodytes (Chimpanzee)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for POU5F1 recombinant protein	MBS1315063 is a recombinant protein targeting POU5F1. Also known as Recombinant Pan troglodytes POU domain, class 5, transcription factor 1 (POU5F1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of POU5F1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for POU5F1. It may not necessarily be applicable to this product.

NCBI GI #	354721190
NCBI GeneID	744263
NCBI Accession #	NP_001238970.1

UniProt Primary Accession #	Q7YR49
UniProt Secondary Accession #	Q1XHV2
UniProt Related Accession #	Q7YR49
GenBank Nucleotide #	NM_001252041.1
NCBI Official Full Name	POU domain, class 5, transcription factor 1
NCBI Official Symbol	POU5F1
NCBI Official Synonym Symbols	OTF-3; oct-3
UniProt Protein Name	POU domain, class 5, transcription factor 1
UniProt Synonym Protein Names	Octamer-binding protein 3; Oct-3; Octamer-binding transcription factor 3; OTF-3
Protein Family	POU domain, class 5, transcription factor
UniProt Gene Name	POU5F1
UniProt Synonym Gene Names	OCT3; OTF3; Oct-3; OTF-3
NCBI Protein Information	POU domain, class 5, transcription factor 1
UniProt Comments for POU5F1	Transcription factor that binds to the octamer motif (5'-ATTTGCAT-3'). Forms a trimeric complex with SOX2 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP206. Critical for early embryogenesis and for embryonic stem cell pluripotency ().
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