

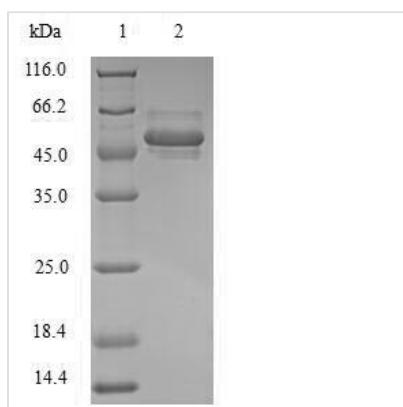


Recombinant Human POU domain, class 5, transcription factor 1 (POU5F1)

Product Code	CSB-EP018403HU
Relevance	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.
Abbreviation	Recombinant Human POU5F1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q01860
Alias	Octamer-binding protein 3
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MAGHLASDFAFSPPPGGGGDGGPEPGWVDPRTWLSFQGPPGGPGIGPG VGPGSEVWGIPPCCPPPYEFCGGMAYCGPQVGVGLVPQGGLETSQPEGEAGV GVESNSDGASPEPCTVTPGAVKLEKEKLEQNPEESQDIKALQKELEQFAKLLK QKRITLGYTQADVGLTLGVLFVKVFSQTTICRFEALQLSFKNMCKLRPLLQKWV EEADNNENLQEICKAETLVQARKRKRTSIENRVRGNLENLFLQCPKPTLQQISH IAQQLGLEKDVVRVWFCNRRQKGRSSDYAQREDFEAAGSPFSGGPVVSFPL APGPHFGTPGYGSPHFTALYSSVPFPEGEAFPPVSVTTLGSPMHSN
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	POU5F1
Protein Names	POU domain, class 5, transcription factor 1 Alternative name(s): Octamer-binding protein 3 Short name= Oct-3 Octamer-binding transcription factor 3 Short name= OTF-3
Expression Region	1-360aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-B2M-tagged
Mol. Weight	52.6kDa
Protein Length	Full Length



Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.