

Datasheet for ABIN1642049

OCT4 Protein (AA 1-472) (His tag)



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Overview

Quantity:	1 mg
Target:	OCT4 (POU5F1)
Protein Characteristics:	AA 1-472
Origin:	Zebrafish (Danio rerio)
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This OCT4 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p> MTERAQSP TA ADCRPYEVNR AMYPQAAGLD GLGGASLQFA HGMLQDPSLI FNKAHFNGIT PATAQTFFPF SGDFKTNDLQ GGDFTQPKHW YPFAAPEFTG QVAGATAATQ PANISPPIGE TREQIKMPSE VKTEKDVEEY GNEENKPPSQ YHLTAGTSSI PTGVNYYTPW NPNFWPGLSQ ITAQANISQA PPTPSASSPS LSPSPPGNGF GSPGFFSGGT AQNIPSAQAQ SAPRSSGSSS GGCSNSEEEE TLTTEDELF AKELKHKRIT LGFTQADVGL ALGNLYGKMF SQTICRFEA LQLSFKNMCK LKPLLQRWLN EAENSENPQD MYKIERVFVD TRKRKRRTSL EGTVRSALES YFVKCPKPNT LEITHISDDL GLERDVVRVW FCNRRQKGKR LALPFDDECV EAQYEQSPP PPPHMGGTVL PGQGYGPAH PGGAPALYMP SLHRPDVFKN GFHPGLVGHL NS </p>
Specificity:	Danio rerio (Zebrafish) (Brachydanio rerio)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.

Product Details

Purity: > 90 %

Target Details

Target: OCT4 (POU5F1)

Alternative Name: POU domain, class 5, transcription factor 1 (pou5f1) ([POU5F1 Products](#))

Background: Recommended name: POU domain, class 5, transcription factor 1.
Alternative name(s): POU domain protein 2

UniProt: [Q90270](#)

Pathways: [Stem Cell Maintenance](#)

Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Storage: -20 °C

Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.