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Datasheet for ABIN1610390

Zona Pellucida Glycoprotein 3 Protein (ZP3) (AA 23-386) (His tag)

Overview

Quantity:	1 mg
Target:	Zona Pellucida Glycoprotein 3 (ZP3)
Protein Characteristics:	AA 23-386
Origin:	Golden Syrian Hamster
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Zona Pellucida Glycoprotein 3 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>QPLWLLPG GTPTPGKLT SVEVECLEAE LVVTVSRDLF</p> <p>GTGKLIQPED LTLGSENCRP LVS VATDVVR FKAQLHECSN RVQVTE DALV YSTVLLHQPR</p> <p>PVPGLSILRT NRADVPIECR YPRQGNVSSH AIRPTWVPFS TTVSSEEKLV FSLRLMEENW</p> <p>NTEKLSPTSH LGEVAYLQAE VQTGSHLPLL LFVDRCVPTP SPDQTASPYH VIVDFHGCLV</p> <p>DGLSEFSFAF QVPRPRPETL QFTVDVFHFA NSSRNTIYIT CHLKVTPANQ TPDELNKACS</p> <p>FNRSSKSWSP VEGDAEVC GC CSSGDCGSSS RSRYQAHGVS QWPKSASRRR RHVRDEADVT</p> <p>VGPLIFLGKA SDQAVEGWAS SAQTSL</p>
Specificity:	Mesocricetus auratus (Golden hamster)
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.
Purity:	> 90 %

Target Details

Target:	Zona Pellucida Glycoprotein 3 (ZP3)
Alternative Name:	Zona pellucida sperm-binding protein 3 (ZP3) (ZP3 Products)
Background:	Recommended name: Zona pellucida sperm-binding protein 3. Alternative name(s): Sperm receptor Zona pellucida glycoprotein 3. Short name= Zp-3 Zona pellucida protein C Cleaved into the following chain: 1. Processed zona pellucida sperm-binding protein 3
UniProt:	P23491
Pathways:	Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process

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 modiflicated 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.