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Datasheet for ABIN1475627 ZP1 Protein (AA 21-588) (His tag)

Overview

Quantity:	1 mg
Target:	ZP1
Protein Characteristics:	AA 21-588
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZP1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>QHLHLKPGFQ YSYDCGVQGM QLLVFPRPNQ TIQFKVLDEF</p> <p>GNRFEVNNCS ICYHWWISEA QKPAVFSADY KGCHVLEKQD GRFHRLRVFIQ AVLPNGRVDT</p> <p>AQDVTLICPK PDHILTPESY LAPPTTPQPF IPHTFALHPI SGHTLAGSGH TGLTTLYPET</p> <p>HPTPAPPSSE PGPVGPTVPQ SQWGTLGSWE LTELDSIGTH LLQERCQVAS GHIPCMVKGS</p> <p>SEEACQQAGC CYDNTKEMPC YYGNTVTLCQ FRSGYFTLVM SQETALTHGV MLDNVHLAYA</p> <p>PNGCPPTQKT SAFVVFHVPL TLCGTAIQVV GKQLVYENQL VSNIEVQTGP QGSITRDGVF</p> <p>RLHVRCIFNA SDFLPIRASI FSPQPPAPVT RSGPLRLELR IATDKTFSSY YQGS DYPLVR</p> <p>LLQEPVYIEV RLLQRTDPGL ALMLHQCWAT PSASPFEQPQ WPILSDGCPF KGDNYRTQMV</p> <p>AADRATLPFW SHYQRFIAT FTLLDSSSQN ALRGQVYFFC SASACHPVGS ETCSTTCDSE</p> <p>IARHRRSSGH HNSTIRALDI VSSPGAVGFE DAPKLEPSGS TRNSGSRP</p>
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian

Product Details

cells or by baculovirus infection. Be aware about differences in price and lead time.

Purity: > 90 %

Target Details

Target: ZP1

Alternative Name: Zona pellucida sperm-binding protein 1 (Zp1) ([ZP1 Products](#))

Background: Recommended name: Zona pellucida sperm-binding protein 1.
Alternative name(s): Zona pellucida glycoprotein 1.
Short name= Zp-1 Cleaved into the following chain: 1.
Processed zona pellucida sperm-binding protein 1

UniProt: [O54766](#)

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

Handling

Storage: -20 °C

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