

Datasheet for ABIN7583431

Intestinal Alkaline Phosphatase Protein (ALPI) (AA 20-506) (His tag)



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Overview

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| Quantity: | 100 µg |
| Target: | Intestinal Alkaline Phosphatase (ALPI) |
| Protein Characteristics: | AA 20-506 |
| Origin: | Cow |
| Source: | Yeast |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This Intestinal Alkaline Phosphatase protein is labelled with His tag. |
| Application: | ELISA |

Product Details

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| Sequence: | <p>L VPVEEDPAF WNRQAAQALD VAKKLQPIQT AAKNVILFLG DGMGVPTVTA TRILKGQMNG</p> <p>KLGPETPLAM DQFPYVALSK TYNVDRQVPD SAGTATAYLC GVKGNRYRTIG VSAAARYNQC</p> <p>KTTRGNEVTS VMNRAKKAGK SVGVTTTRV QHASPAGAYA HTVNRNWYSADLADADAQMN</p> <p>GCQDIAAQLV NNMDIDVILG GGRKYMFPVG TPDPEYPDDA SVNGVRKRKQ NLVQAWQAKH</p> <p>QGAQYVWNRT ALLQAADDSS VTHLMGLFEP ADMKYNVQQD HTKDPTLQEM TEVALRVVSR</p> <p>NPRGFYLFVE GGRIDHGHHD DKAYMALTEA GMFDNAIAKA NELTSELDTL ILVTADHSHV</p> <p>FSFGGYTLRG TSIFGLAPSK ALDSKSYTSI LYGNPGGYAL GGGSRPDVND STSEDPSYQQ</p> <p>QAAVPQASET HGGEDVAVFA RGPQAHLVHG VEEETFVAHI MAFAGCPEPY TDCNLPAPTT</p> <p>ATSIPD</p> |
| Specificity: | Bos taurus (Bovine) |
| 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: Intestinal Alkaline Phosphatase (ALPI)

Alternative Name: Intestinal-type alkaline phosphatase (ALPI) ([ALPI Products](#))

Background: Recommended name: Intestinal-type alkaline phosphatase.
Short name= IAP.
Short name= Intestinal alkaline phosphatase.
EC= 3.1.3.1

UniProt: [P19111](#)

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

Handling

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