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Datasheet for ABIN7479026

Intestinal Alkaline Phosphatase Protein (ALPI) (AA 21-511) (His tag)

Overview

Quantity:	100 µg
Target:	Intestinal Alkaline Phosphatase (ALPI)
Protein Characteristics:	AA 21-511
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Intestinal Alkaline Phosphatase protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	VIPVEEENPV FWNQKAKEAL DVAKKLQPIQ TSAKNLILFL GDGMGVPTVT ATRILKGQLG GHLGPETPLA MDHFPFTALS KTYNVDRQVP DSAGTATAYL CGVKANYKTI GVSAAARFNQ CNSTFGNEVF SVMHRACKAG KSVGWVTTTR VQHASPAGTY AHTVNRDWYS DADMPSSALQ EGCKDIATQL ISNMDIDVIL GGRKFMFPK GTPDPEYPGD SDQSGVRLDS RNLVEEWLAK YQGTRYVWNR EQLMQASQDP AVTRLMGLFE PTEMKYDVNR NASADPSLAE MTEVAVRLLS RNPQGFYLFV EGGRIDQGH AGTAYLALTE AVMFDSAIEK ASQLTNEKDT LTLITADHSH VFAFGGYTLR GTSIFGLAPL NAQDGKSYTS ILYGNPGYV LNSGNRPNVT DAESGDVNYK QQAAPLSSE THGGEDVAIF ARGPQAHLVH GVQEQNYIAH VMAFAGCLEP YTDCGLAPPA DENRPTTPVQ N
Specificity:	Rattus norvegicus (Rat)
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 1 (Alpi) ([ALPI Products](#))

Background: Recommended name: Intestinal-type alkaline phosphatase 1.
Short name= IAP-1.
Short name= Intestinal alkaline phosphatase 1.
EC= 3.1.3.1.
Alternative name(s): Intestinal alkaline phosphatase I.
Short name= IAP-I

UniProt: [P15693](#)

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.