

Datasheet for ABIN6387919
ALPL Protein (AA 19-503) (His tag)



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1 Image

Overview

Quantity:	50 µg
Target:	ALPL
Protein Characteristics:	AA 19-503
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ALPL protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence: VPEKERDPSY WRQQAQETLK NALKLQKLNT NVAKNVIMFL GDGMGVSTVT AARILKGQLH
HNTGEETRLE MDKFPFVALS KTYNTNAQVP DSAGTATAYL CGVKANEGTV GVSAATERTR
CNTTQGNEVT SILRWAKDAG KSVGIVTTTR VNHATPSAAY AHSADRDWYS DNEMPPEALS
QGCKDIAYQL MHNKIDIDVI MGGGRKYMYP KNRTDVEYEL DEKARGTRLD GLDLISIWKS
FKPRHKHSHY VWNRTPELLAL DPSRVDYLLG LFEPGDMQYE LNRNNTDPS LSEMVEVALR
ILTKNLKGGFF LLVEGGRIDH GHHEGKAKQA LHEAVEMDQA IKGAGAMTSQ KDTLTVVTAD
HSHVFTFGGY TPRGNSIFGL APMVSDTDKK PFTAILYGNG PGYKVV DGER ENVSMVDYAH
NNYQAQSAVP LRHETHGGED VAVFAKGPMAL HLLHGVHEQN YIPHV MAYAS CIGANLDHCA
WAGSGLEHHH HHH

Purity: > 95 % by SDS - PAGE

Product Details

Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Biological Activity Comment:	Specific activity is > 46,000 pmol/min/ug and is defined as the amount of enzyme that hydrolyze 1pmole of 4-Methylumbelliferyl phosphate to phosphate and 4-Methylumbelliferone per minute at pH 8.8 at 25C.

Target Details

Target:	ALPL
Alternative Name:	Alpl (ALPL Products)
Background:	Alpl, also known as alkaline phosphatase, tissue-nonspecific isozyme, is one of alkaline phosphatases. There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney (tissue-nonspecific). The product of this gene is a membrane-bound glycosylated enzyme that is not expressed in any particular tissue and is, therefore, referred to as the tissue-nonspecific form of the enzyme. A proposed function of this form of the enzyme is matrix mineralization. Recombinant mouse Alpl, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	54.5kDa (493aa) 50-70KDa (SDS-PAGE under reducing conditions.)
NCBI Accession:	NP_031457
UniProt:	P09242

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only

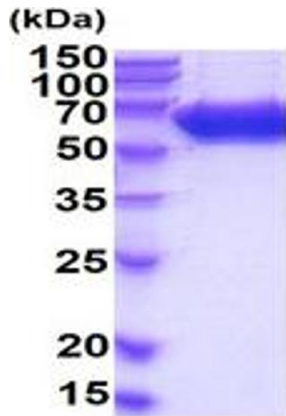
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C

Handling

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Images



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.