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Datasheet for ABIN1668546 LIAS Protein (AA 31-382) (His tag)

Overview

Quantity:	1 mg
Target:	LIAS
Protein Characteristics:	AA 31-382
Origin:	Oryza sativa
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This LIAS protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>QTLDPSTPSP AAPPTAGRL AELRQLQAD APSLGDFITYS VEVGTRKKPL PKPKWMKETI</p> <p>PGGAKYAGIK AKLRELKLHT VCEEARCPNL GECWSGGETG TATATIMILG DTCTRGCRFC</p> <p>NVKTSRTPPP PDPDEPSNVA QAIASWGLEY IVITSVDRDD LPDQGSQHFA ETVQKLKVLK</p> <p>PEMLIEALVP DFRGDPACVE KVATSGLHVF AHNIETVEEL QRNVDRHRAN FKQSIDVLKL</p> <p>AKEYAPAGTL TKTSIMLGCG ETPDQVISTM EKVRAAGVDV MTFGQYMRPS KRHMPVSEYV</p> <p>TPEAFERYRS LGVDMGFRYV ASGPMVRSSY KAGEFYIKAM IEADRAKATT AI</p>
Specificity:	Oryza sativa subsp. indica (Rice)
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:	LIAS
Alternative Name:	Lipoyl synthase, mitochondrial (LIP1) (LIAS Products)
Background:	Recommended name: Lipoyl synthase, mitochondrial. EC= 2.8.1.8. Alternative name(s): Lipoate synthase. Short name= LS. Short name= Lip-syn Lipoic acid synthase
UniProt:	A2XU53
Pathways:	Tube Formation

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