Datasheet for ABIN1661717

RCA1 Protein (AA 33-408) (His tag)

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Overview

Quantity:	1 mg
Target:	RCA1
Protein Characteristics:	AA 33-408
Origin:	Chlamydomonas reinhardtii
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This RCA1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	VAPSRKQM GRWRSIDAGV DASDDQQDIT RGREMVDDLF QGGFGAGGTH NAVLSSQEYL SQSRASFNNI EDGFYISPAF LDKMTIHIAK NFMDLPKIKV PLILGIWGGK GQGKTFQCAL AYKKLGIAPI VMSAGELESG NAGEPAKLIR TRYREASDII KKGRMCSLFI NDLDAGAGRM GDTTQYTVNN QMVNATLMNI ADNPTNVQLP GVYKNEEIPR VPIVCTGNDF STLYAPLIRD GRMEKYYWNP TREDRIGVCM GIFQEDNVQR REVENLVDTF PGQSIDFFGA LRARVYDDMV RQWITDTGVD KIGQQLVNAR QKVAMPKVSM DLNVLIKYGK SLVDEQENVK RVQLADAYLS GAELAGHGGS SLPEAYSR
Specificity:	Chlamydomonas reinhardtii (Chlamydomonas smithii)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

Target Details

Target:	RCA1
Alternative Name:	Ribulose bisphosphate carboxylase/oxygenase activase, chloroplastic (RCA1 Products)
Background:	Recommended name: Ribulose bisphosphate carboxylase/oxygenase activase, chloroplastic. Short name= RA. Short name= RuBisCO activase
UniProt:	P23489

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 modificated 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.