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Datasheet for ABIN1660141 Actin Protein (AA 3-376) (His tag)



Overview	
Quantity:	1 mg
Target:	Actin (ACTA1)
Protein Characteristics:	AA 3-376
Origin:	Sea Star (Pisaster)
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Actin protein is labelled with His tag.
Application:	ELISA
Product Details	
Sequence:	DEDVAALV VDNGSGMCKA GFAGDDAPRA VFPSIVGRPR HQGVMVGMGQ KDSYVGDEAQ
	SKRGILTLKY PIEHGIVTNW DDMEKIWHHT FYNELRVAPE EHPVLLTEAP LNPKANREKM
	TQIMFETFNS PAMYVAIQAV LSLYASGRTT GIVFDTGDGV SHTVPIYEGY ALPHAILRLD
	LAGRDLTDYL MKILTERGYS FTTTAEREIV RDIKEKLCYT ALDFEQEMQT ASSSSSLEKS
	YELPDGQVIT IGNERFRCPE TLFQPAFIGM ESAGIHETTY NSIMKCDIDI RKDLYANTVL
	SGGTSMYPGI ADRMQKEIQA LAPPTMKIKI IAPPERKYSV WIGGSILASL STFQQMWISK
	QEYDESGPSI VHRKCF
Specificity:	Pisaster ochraceus (Ochre sea star) (Asterias ochracea)
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 %

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Target Details	
Target:	Actin (ACTA1)
Alternative Name:	Actin, muscle (ACTA1 Products)
Background:	Recommended name: Actin, muscle
UniProt:	P12717
Pathways:	Caspase Cascade in Apoptosis, Myometrial Relaxation and Contraction, Skeletal Muscle Fiber Development

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.

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