Datasheet for ABIN1592206

Actin Protein (AA 3-380) (His tag)

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Overview

Quantity:	1 mg
Target:	Actin (ACTA1)
Protein Characteristics:	AA 3-380
Origin:	Branchiostoma lanceolatum
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Actin protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	DDEEEEEA TPLVCDNGSG LVKAGFAGDD APRAVFPSIV GRPRHQGVMV GMGQKDAYVG DEAQSKRGIL TLKYPVEHGI VTNWDDMEKI WHHTFYNELR IAPEENPCLL TEAPLNPKAN REKMTQIMFE TFNSPAMYVC IQAVLCLYAS GRTTGIVLDS GDGVSHTVPI YEGYALPHAI LRLDLAGREL TNYLMKIMTD RGYSFVTTAE REIVRDIKEK LGYVALDFEQ EMLTAATSTS LEKSYELPDG QVITIGNERF RCAEALFQPS FLGMESAGVH ETVYNSIMKC DIDVRKDLYA NNVLSGGTTM FPGIGDRMQK EMVSLAPSTM KIKIIAPPER KYSCWIGGSI LASLSTFAAM WIKKSEYDEA GPAIVHRKCF
Specificity:	Branchiostoma lanceolatum (Common lancelet) (Amphioxus)
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:	Actin (ACTA1)
Alternative Name:	Actin, muscle (ACTA1 Products)
Background:	Recommended name: Actin, muscle
UniProt:	O17502
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.