Datasheet for ABIN1461814

Actin Protein (AA 1-377) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	Actin
Protein Characteristics:	AA 1-377
Origin:	Volvox carteri
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Actin protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MAEEGEVSAL VCDNGSGMVK AGFAGDDAPR AVFPSIVGRP RHTGVMVGMG QKDSYVGDEA QSKRGILTLR YPIEHGIVTN WDDMEKIWHH TFFNELRVAP EEHPVLLTEA PLNPKANREK MTQIMFETFN VPAMYVAIQA VLSLYASGRT TGIVLDSGDG VTHTVPIYEG YALPHAILRL DLAGRDLTDY LMKILMERGY SFTTTAEREI VRDIKEKLCY VALDFEQEMA TAASSSALEK TYELPDGQPI TIGNERFRCP EVLYNPSLIG MEAVGIHDTT FNSIMKCDVD IRKDLYNNIV LSGGTTMFPG IADRMTKEIT ALAPSAMKIK VVAPPERKYS VWIGGSILAS LSTFQQMWIA KSEYDESGPS IVHRKCF
Specificity:	Volvox carteri (Green alga)
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
Abstract:	Actin Products
Background:	Recommended name: Actin
UniProt:	P20904

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.