Datasheet for ABIN1648057

Calmodulin 2 Protein (AA 2-149) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	Calmodulin 2 (Calm2)
Protein Characteristics:	AA 2-149
Origin:	Branchiostoma lanceolatum
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Calmodulin 2 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	ADQLTEEQI AEFKEAFSLF DKDGDGTITT KELGTVMRSL GQNPTEAELQ DMINEVDADG NGTIDFPEFL TMMARKMKDT DSEEEIREAF RVFDKDGNGF ISAAELRHVM TNLGEKLTDE EVDEMVREAD IDGDGQVNYE EFVEMMTSK
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:	Calmodulin 2 (Calm2)
Alternative Name:	Calmodulin-2 (CAM2) (Calm2 Products)

Target Details

Background:	Recommended name: Calmodulin-2. Short name= CaM 2
UniProt:	Q9UB37
Pathways:	RTK Signaling, Interferon-gamma Pathway, Fc-epsilon Receptor Signaling Pathway, cAMP Metabolic Process, Myometrial Relaxation and Contraction, Cellular Glucan Metabolic Process, Regulation of G-Protein Coupled Receptor Protein Signaling, G-protein mediated Events, Signaling Events mediated by VEGFR1 and VEGFR2, Interaction of EGFR with phospholipase C-gamma, Phototransduction, Negative Regulation of Transporter Activity, VEGFR1 Specific Signals, BCR Signaling

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.