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Datasheet for ABIN7317378

Calmodulin 2 Protein (His tag)

Overview

Quantity:	100 µg
Target:	Calmodulin 2 (Calm2)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Calmodulin 2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Calmodulin 2/CALM2 Protein (His Tag)
Sequence:	Met 1-Lys149
Characteristics:	A DNA sequence encoding the mature form of human CALM2 (P0DP24) (Met1-Lys149) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 85 % as determined by reducing SDS-PAGE.

Target Details

Target:	Calmodulin 2 (Calm2)
Alternative Name:	Calmodulin 2/CALM2 (Calm2 Products)
Background:	Background: Calmodulin 2, also known as CALM2, is a calmodulin. Calmodulin 2 mediates the control of a large number of enzymes, ion channels and other proteins by Ca(2+). It is involved in a genetic pathway that regulates the centrosome cycle and progression through cytokinesis. Calmodulin 2 gene may be a genetic determinant of hip osteoarthritis (OA). OA is a

Target Details

degenerative disease characterized by gradual loss of articular cartilage and is a leading cause of disability in elderly populations. CALM2 was most abundantly expressed in articular chondrocytes and OA cartilage.

Synonym: caM,CAMII,LQT15,PHKD,PHKD2

Molecular Weight: 18.7 kDa

UniProt: [P0DP24](#)

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

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.