

## Recombinant Human Calmodulin 2/CALM2 Protein (His Tag)

**Catalog Number:** PKSH030840

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

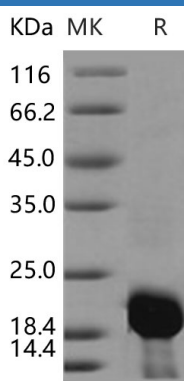
### Description

<b>Species</b>	Human
<b>Source</b>	E.coli-derived Human Calmodulin 2/CALM2 protein Met 1-Lys 149, with an N-terminal His
<b>Calculated MW</b>	18.7 kDa
<b>Observed MW</b>	19-22 kDa
<b>Accession</b>	P0DP24
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 85 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Please contact us for more information.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 85 % as determined by reducing SDS-PAGE.

### 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 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.

### For Research Use Only