



Recombinant Protein Technical Manual
Recombinant Human Calmodulin 2/CALM2 Protein
(His Tag)
RPES5102

Product Data:

Product SKU: RPES5102

Size: 20µg

Species: Human

Expression host: E. coli

Uniprot: P0DP24

Protein Information:

Molecular Mass: 18.7 kDa

AP Molecular Mass: 19-22 kDa

Tag: N-His

Bio-activity:

Purity: > 85 % as determined by reducing SDS-PAGE.

Endotoxin: Please contact us for more information.

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

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

Application:

Synonyms: caM;CAMII;LQT15;PHKD;PHKD2

Immunogen Information:

Sequence: Met 1-Lys149

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 $\text{Ca}(2+)$. 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.