

Recombinant Homo sapiens Calmodulin

Catalog No: #AP72470



Package Size: #AP72470-1 20ug #AP72470-2 100ug #AP72470-3 1mg

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant Homo sapiens Calmodulin
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-149aaSequence Info:Full Length
Accession No.	P0DP23
Uniprot	P0DP25
GeneID	801;805;808;
Calculated MW	18.7 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMRS LGQNPTAE LQDMINEVDADGNGTIDFPEFLTMMAR KMKD TDSEEEI REAFRVFDKDGNGYISAAELRHVMTNLGEKLTDEEVDEMIREADIDGDGQVNYEEFVQMMT AK
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Calmodulin mediates the control of a large number of enzymes, ion channels, aquaporins and other proteins by Ca²⁺. Among the enzymes to be stimulated by the calmodulin-Ca²⁺ complex are a number of protein kinases and phosphatases. Together with CCP110 and centrin, is involved in a genetic pathway that regulates the centrosome cycle and progression through cytokinesis.

References

"Characterization of the human CALM2 calmodulin gene and comparison of the transcriptional activity of CALM1, CALM2 and CALM3."Toutenhoof S.L., Foletti D., Wicki R., Rhyner J.A., Garcia F., Tolon R., Strehler E.E.Cell Calcium 23:323-338(1998)Research Topic:Signal Transduction

Note: This product is for in vitro research use only