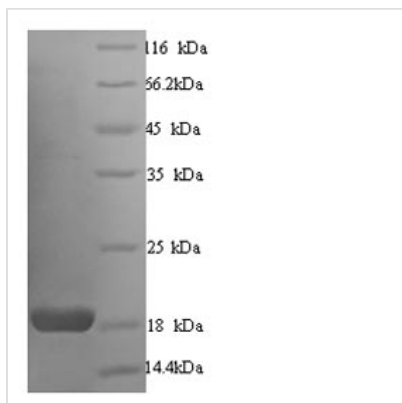




# Recombinant Human Calmodulin (CALM1)

|                          |                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>      | CSB-YP004445HU                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Relevance</b>         | Calmodulin mediates the control of a large number of enzymes, ion channels, aquaporins and other proteins by Ca <sup>2+</sup> . Among the enzymes to be stimulated by the calmodulin-Ca <sup>2+</sup> 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. |
| <b>Abbreviation</b>      | Recombinant Human CALM1 protein                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage</b>           | 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.                                                                                                                             |
| <b>Uniprot No.</b>       | P0DP23                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Product Type</b>      | Recombinant Proteins                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen Species</b> | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>            | ≥ 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Sequence</b>          | ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMRSLGQNPTEAELQDMINE<br>VDADGNGTIDFPEFLTMMARKMKDTSSEEEIREAFRVFDKDGNGYISAAELRH<br>VMTNLGEKLTDEEVDEMIREADIDGDGQVNYEEFVQMMTAK                                                                                                                                                                                                                                                 |
| <b>Source</b>            | Yeast                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Target Names</b>      | CALM1                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Names</b>     | Recommended name: Calmodulin Short name= CaM                                                                                                                                                                                                                                                                                                                                                                |
| <b>Expression Region</b> | 2-149aa                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                         |
| <b>Tag Info</b>          | N-terminal 6xHis-tagged                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Mol. Weight</b>       | 18.7kDa                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Protein Length</b>    | Full Length of Mature Protein                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Image</b>             |                                                                                                                                                                                                                                                                                                                                                                                                             |



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Shelf Life

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