

## Recombinant Human CALM1 protein, His-tagged

**Cat. No.** CALM1-1069H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CALM1 protein(20-139 aa), fused with N-terminal His tag, was expressed in E.coli.                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 20-139 aa                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Form</b>             | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole. |
| <b>AASequence</b>       | FDKDG DGTITTKELGTVMRSLGQNPTEAELQDMINEVDADGNGTIDFPEFLTMMAR<br>KMKD TDSEEEIREAFRVFDKDGNGYISAAELRHVMTNLGEKLTDEEVDEMIREADID<br>GDGQVNY                                                                                                                                                                                                                                           |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.                                                                                                                                                                        |
| <b>Reconstitution</b>   | Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25                                                                                                                                                                                                                                                                                      |

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g/μl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

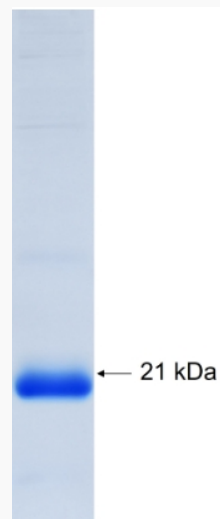
## GENE INFORMATION

|                 |                                                                                                                                                   |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | CALM1 calmodulin 1 (phosphorylase kinase, delta) [ Homo sapiens ]                                                                                 |
| Official Symbol | CALM1                                                                                                                                             |
| Synonyms        | CALM1; calmodulin 1 (phosphorylase kinase, delta); CALML2; calmodulin; CAMI; DD132; PHKD; phosphorylase kinase, delta subunit; caM; CALM2; CALM3; |
| Gene ID         | 801                                                                                                                                               |
| mRNA Refseq     | NM_006888                                                                                                                                         |
| Protein Refseq  | NP_008819                                                                                                                                         |
| MIM             | 114180                                                                                                                                            |
| UniProt ID      | P62158                                                                                                                                            |

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**SDS-PAGE**

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