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Zuschläge

- Mindermengenzuschlag
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- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Data Sheet

Calmodulin 1 Protein, His-tag

Human, recombinant, N-terminal His -tag
Catalog#: 81152
Lot#: 160526 **Conc.:** 0.2 mg/ml

Formulated in: 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 25% glycerol.

Stability: ≥6 months at -80°C. Avoid freeze/thaw cycles. Storing diluted protein is not recommended, if necessary, use carrier protein (BSA 0.1 – 0.5%).

References:

1. Li, H. *et al.*, *FEBS Lett.* 2004; **13(559)**: 175-180.
2. Huang, M. *et al.*, *Cell Stress Chaperones.* 2009; **14(4)**: 343-353.

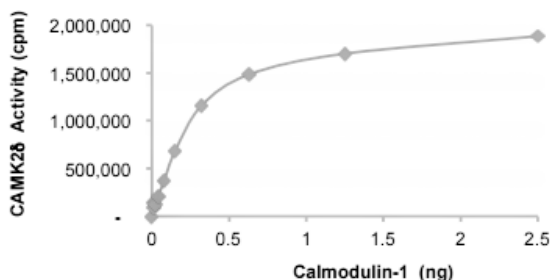
Description: Human Calmodulin 1, also known as CALM1, CALML2, CAMI, DD132, PHKD, GenBank Accession No. NM_006888, full-length with an N-terminal His-tag, expressed in an *E. coli* cell expression system. MW = 17 kDa.

Assay Conditions: Varying amounts of calmodulin 25 ng CAMK2δ, 200 ng/μl autocamtide-2 peptide, 0.4 mM CaCl₂, 50 μM ATP and trace [³³P]-γ-ATP in 25 μl of reaction volume for 15 min at 30°C.

Application: Useful for studying calmodulin-dependent kinase kinetics *in vitro*.

Quality Assurance

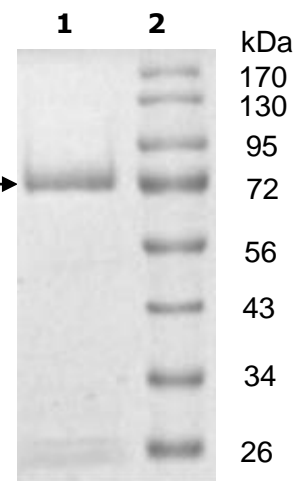
Specific Activity



10% SDS-PAGE
Coomassie staining

Lane 1: → FGFR3
Lane 2: Protein Marker

MW: 73kDa
Purity: ≥95%



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