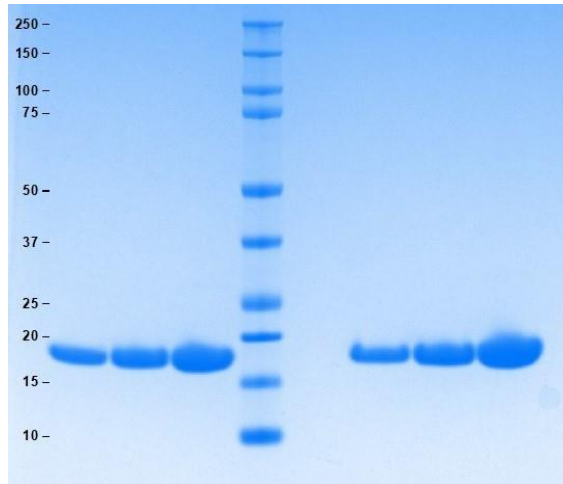


Gel Scan of Representative Lot Calmodulin, Bovine, High Purity

ART Catalog No. 16-BR-030112-HP-bovine



SDS-PAGE

4-12% Bis-Tris gel, 1x MES

1. Calmodulin, Bovine, High Purity 5 µg (Heated/Reduced)
2. Calmodulin, Bovine, High Purity 10 µg (Heated/Reduced)
3. Calmodulin, Bovine, High Purity 20 µg (Heated/Reduced)
4. Standard
5. Blank
6. Calmodulin, Bovine, High Purity 5 µg (Not Heated/Non-Reduced)
7. Calmodulin, Bovine, High Purity 10 µg (Not Heated/Non-Reduced)
8. Calmodulin, Bovine, High Purity 20 µg (Not Heated/Non-Reduced)

Protein Determination:

Extinction Coefficient (E) = 0.200 (0.1% at 280 nm, 1 cm pathway)

Molecular Weight:

16,500 Da

Physical Specifications:

Form: Lyophilized

Purity: ≥ 95% by SDS-PAGE

Considerations:

Storage Conditions: ≤ -20 °C

Stability: > 1 year

Buffer:

Lyophilized from 30 mM HEPES, pH 7.4, 1 mM CaCl₂, 0.1 mM DTT

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HRB 98170 Amtsgericht Hamburg

Product Datasheet

Product:	Calmodulin, Bovine, High Purity
Catalog #:	16-BR-030112-HP-bovine
Form:	Lyophilized
Available Packaging:	1 and 5 mg. Larger aliquots are available upon request.
Buffer:	Lyophilized from 30 mM HEPES, pH 7.4, 1 mM CaCl ₂ , 0.1 mM DTT
Purity:	≥ 95% by SDS-PAGE
Molecular Weight:	16,500 Da
Activity:	> 250,000 units/mg protein. One unit is defined as the amount of calmodulin that will give rise to 50% of the maximal enzyme activation of a standard level of activator-deficient calcineurin.
Protein Determination:	Extinction Coefficient (E) = 0.200 (0.1% at 280 nm, 1 cm pathway)
Storage/Handling:	≤ -20 °C
Stability:	> 1 year
Source:	Bovine Brain
Testing:	Prepared from tissue collected in the contiguous 48 United States from animals under 30 months of age at a USDA-inspected facility. Animals were inspected ante mortem and found free from obvious signs of infectious and contagious diseases.

Product Link: <https://www.athensresearch.com/products/all/calmodulin-bovine-brain-high-purity>

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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