Calmodulin (human), (recombinant)

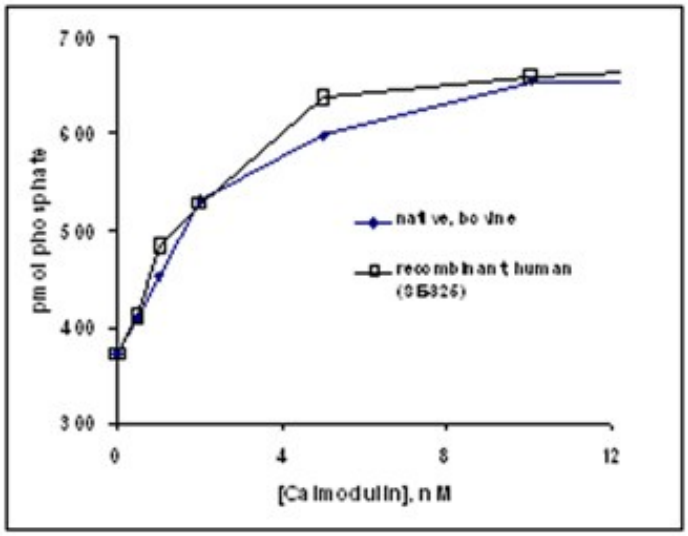
Calcium-binding protein produced in *E.coli*

Citations: 15 View Online »

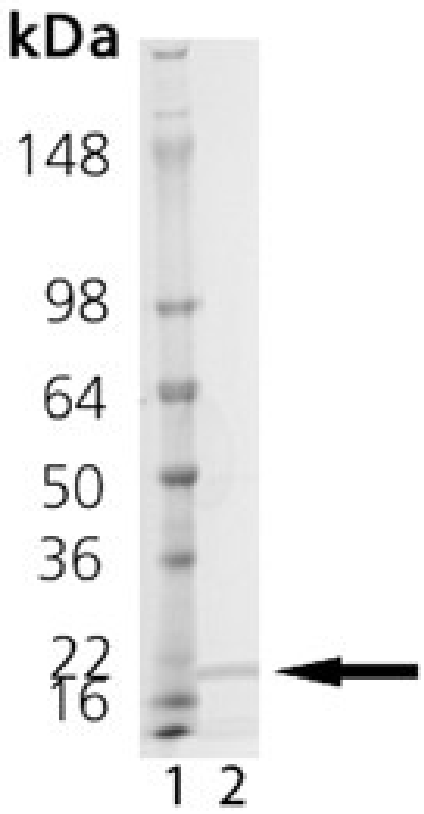
Ordering Information Order Online »

BML-SE325-0001	1mg

Manuals, SDS & CofA View Online »



Human recombinant calmodulin (Prod. No. BML-SE325) activation of human calcineurin is essentially identical to that of purified bovine brain calmodulin (native, bovine). Initial rates of calcineurin phosphatase activity were determined as a function of calmodulin concentration with the Calcineurin Colorimetric Drug Discovery Kit (Prod. No. BML-AK804). (Note that the human and bovine calmodulin amino acid sequences are 100% identical.)



SDS-PAGE Analysis: Lane 1: MW Marker; Lane 2: 1.0 µg of purified human recombinant calmodulin protein (Prod. No. BML-SE325).

Handling & Storage

Handling	Avoid freeze/thaw cycles. After reconstitution, prepare aliquots and store at -20°C.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	CaM, Phosphodiesterase 3′:5′-cyclic nucleotide activator
Application Notes	Calmodulin can be used to activate calmodulin-dependent phosphodiesterase, calcineurin, CaM kinases, etc.
Biological Activity	Elicits Ca^{2+}-dependent activation of calcineurin (Ca^{2+} /calmodulin-dependent Ser/Thr protein phosphatase 2B, PP-2B) with the same potency and to the same maximum extent as purified native calmodulin.
CAS	73298-54-1
Formulation	Lyophilized. Salt-free.
MI	**14:** 1719
MW	16.8 kDa
Purity	≥95% (SDS-PAGE)
Purity Detail	Purified by multi-step chromatography.
Reconstitution	Reconstitute in water or an appropriate buffer.
Sequence	Sequence identical to Genbank accession M27319.1.
Source	Produced in *E. coli*.
UniProt ID	P62158

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