

Catalogue number: G02CLM60
Product name: Calmodulin N60D
Product details: Human, Recombinant, Folding state checked by NMR

Technical Specifications

Rev.date:06/2013

Date

Quantity

Batch number

DESCRIPTION

MW=16.9 kDa. Full length calmodulin, cloned from human cDNA with a C-terminal purification tag, expressed in E. coli. The protein consists of the human calmodulin (residues 1-148, swissprot accession P62158) with the mutation N60D. The C-terminal tag is cleaved during the purification.

PURITY

> 95% by SDS-PAGE. The protein was observed as a single band migrating at a molecular weight of between 19.5 and 14.4 kDa.

SUPPLIED AS

1.0mg/ml in Tris 20mM, pH 8.0, NaCl 150mM, CaCl₂ 2mM, Complete Protease Inhibitor Cocktail EDTA-free (Roche). The concentration is calculated from the absorbance at 280nm ($\epsilon_{280} = 2980 \text{ M}^{-1}\text{cm}^{-1}$).

CHARACTERISTICS

Under the above described conditions, to avoid precipitation or protein dimerization, the product can be concentrated to a maximum of 2mM.

STORAGE

-20°C. The protein is stable at 4°C for at least 2 weeks and at 25°C for at least several hours. After initial defrost, aliquot product into individual tubes and refreeze at -20°C.

Avoid repeated freeze/defrost cycles.

REFERENCES

- M.D. Ehlers, G.J. Augustine. Nature (13 May 1999), 399, 105-108.
I. Bertini et al. Proc Natl Acad Sci U S A. 2004 May 4; 101(18):6841-6.
H. Kuboniwa et al. Nat Struct Biol. 1995 Sep; 2(9):768-76.



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