

Calmodulin 2, 1-149aa, Human, Recombinant, E.coli

Cat.NO.: TP01406

3th Edition

Synonyms:PHKD, CAMII, PHKD2.

Description:Calmodulin has been known to act as an intracellular calcium sensor protein. When the intracellular Ca²⁺ concentration increases, calmodulin can bind up to four Ca²⁺, changing its conformation and regulating cellular functions such as activation or inhibition of a large number of enzymes, ion channels, and receptors.

Form:Liquid. In 20 mM Tris-HCl buffer (pH 7.5)

Molecular Weight:16kDa (149aa), confirmed by MALDI-TOF

Sequences:

MADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMRSLGQNPTEAELQDMINEVDADGNGTIDFPEFLTMMARK
MKDTDSEEEIREAFRVFDKDGNGYISAAELRHVMTNLGEKLTDEEVDEMIREADIDGDGQVNYEEFVQMMTAK

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.