

CERTIFICATE OF ANALYSIS

PRODUCT:	Calmodulin-SH, Wheat (<i>Triticum aestivum</i>); CaM Tag™ DuoSite M.W. 16,750 kDa
PRODUCT NUMBER:	C-1421
LOT NUMBER:	D1020
APPEARANCE:	Dry white, lyophilized pellets
FORMULATION:	Lyophilized from 5% sucrose, 10mM sodium phosphate, pH 7.0 at a protein concentration of approximately 1 mg/ml.
PURITY:	>98% by SDS-PAGE. Preparation is stained with Coomassie blue having a single band at ~17 kDa.
ACTIVITY:	40,000 units/mg protein. UNIT DEFINITION: One unit will stimulate 0.01 unit of 3':5'-cyclic nucleotide phosphodiesterase in a 3 ml reaction volume at pH 7.5 at 30° C, to 50% of the maximum activity of the enzyme when saturated with CaM in the presence of 100 μM Ca ²⁺ .
SOLUBILITY:	1 mg/mL in H ₂ O, CaM is completely clear in solution.
UV ANALYSIS:	0.12 (276 nm)
STORAGE & HANDLING:	Store at -20°C.

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: TT