



Certificate of Analysis

Calmodulin Protein, Human

Cat. No.:	HY-P7710
Batch No.:	315868
Species:	Human
Source:	<i>E. coli</i>
Tag:	Tag Free
Accession:	P0DP23 (M1-K149)
Gene ID:	801/ 805/ 808
Molecular Weight:	Approximately 16.0-17.0 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	95.00%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	206875 units per mg protein. One unit is defined as the amount of calmodulin which will give rise to 50% of the maximal enzyme activation of a standard level of activator-deficient calcineurin.	206875 U/mg protein
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).	
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.	
Shipping	Room temperature in continental US; may vary elsewhere.	

Caution: Product has not been fully validated for medical applications. For research use only.

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