Certificate of Analysis v3.0

Cat #	AP05
Name	Actin protein (pyrene labeled) from rabbit skeletal muscle
Amount	1 mg
Lot #	133

Test	Specification	Lot results
Appearance	White lyophilized powder	Pass
Purity	≥99%	99%
Protein Quantitation with Precision Red Protein Assay Reagent (Cytoskeleton Cat. # ADV02)	1.0 – 1.4 mg/tube	1.4 mg
Biological Activity Assay: Polymerization and Spin Down Assay	>90% actin polymerization	96%
Labeling Stoichiometry: pyrene dyes per actin monomer	0.4-0.7 dye per actin monomer	0.7
Fluorescent signal enhancement in actin polymerization assay	4-6 fold fluorescence enhancement	4.5 x
QC release date	8/30/22	
Approved by	K. Middleton	

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