Certificate of Analysis

Actin Protein (Mical-oxidized)
Rabbit skeletal
Store at 4°C (desiccated)

Catalog # MXA95
MXA95-XL

Product Description: Rabbit skeletal muscle actin protein (MICAL-oxidized) (MXA95) has been enzymatically oxidized at methionines 44 and 47 (b-actin nomenclature) with the MICAL flavoprotein monoxygenase protein (cat. # MIC01). MICAL-oxidized rabbit muscle actin has an approximate molecular weight of 43 kDa and is supplied as a white lyophilized powder.

Amount: MXA95 250 µg
MXA95-XL 1 mg

Lot: 005

TEST	SPECIFICATION	LOT RESULTS
Appearance	White lyophilized powder	White lyophilized powder
Purity by Coomassie Gel	>95%	>95%
Protein Quantitation with Precision Red Protein Assay Reagent (Cytoskeleton Cat. # ADV02)	MXA95 250-275µg MXA95-XL 1.0-1.2 mg	250 µg 1.06 mg
Biological Activity Assay #1: Subtilisin cleavage	<10% cleavage of Mical1 oxidized actin. >75% cleavage of native actin	<10% >75%
Biological Activity Assay #2: Spin-down polymerization assay	35-45% polymer at 0.1 mg/ml oxidized actin 70-80% polymer at 0.4 mg/ml oxidized actin	35% 78%
QC Release Date	May 13th 2019	

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