



Certificate of Analysis

DDC Protein, Mouse (sf9, His)

Cat. No.:	HY-P74204
Batch No.:	309888
Species:	Mouse
Source:	<i>Sf9 insect cells</i>
Tag:	C-His
Accession:	O88533 (M1-E480)
Gene ID:	13195
Molecular Weight:	Approximately 55 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to convert the substrate 3, 4-dihydroxy L-phenylalanine (L-Dopa) to 3, 4-dihydroxyphenylethylamine (dopamine). The dopamine product is measured by its absorbance at 340 nm after derivatization with trinitrobenzene sulfonic acid. The specific activity is >1500 pmol/min/μg, as measured under the described conditions.	>1500 pmol/min/μg
Appearance	Solution	
Concentration	1.82 mg/mL	
Reconstitution	N/A.	
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.	
Shipping	Shipping with dry ice	

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

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