



Certificate of Analysis

Midkine Protein, Mouse

Cat. No.:	HY-P79419
Batch No.:	309655
Species:	Mouse
Source:	<i>E. coli</i>
Tag:	Tag Free
Accession:	P12025 (K23-D140)
Gene ID:	17242
Molecular Weight:	Approximately 15 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 binding ability in a functional ELISA. Immobilized Human Midkine Protein, premium grade at 2 μg/mL (100 μL/well) can bind Human LRP-6. The ED ₅₀ for this effect is 109.8 ng/mL.	109.8 ng/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 500 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. 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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