



Certificate of Analysis

PSP94/MSMB Protein, Human (His)

Cat. No.:	HY-P79138
Batch No.:	267701
Species:	Human
Source:	E. coli
Tag:	C-His
Accession:	P08118 (S21-I114)
Gene ID:	4477
Molecular Weight:	Approximately 14 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE	91.00%
Endotoxin Level	<1 EU/μg, determined by LAL method.	<1 EU/μg
Biological Activity	Measured by its ability to inhibit the proliferation of DU145 cells. The ED ₅₀ for this effect is 0.6869 ng/mL, corresponding to a specific activity is 1.45×10 ⁶ Unit/mg.	0.6869 ng/mL
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. 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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