



# Certificate of Analysis

## Osteopontin/OPN Protein, Rat (CHO, His)

Cat. No.:	HY-P79222
Batch No.:	263425
Species:	Rat
Source:	CHO
Tag:	C-6*His
Accession:	P08721 (L17-N317)
Gene ID:	25353
Molecular Weight:	approximately 34.83 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.	<1 EU/μg
Biological Activity	Measured by the ability of the immobilized protein to support the adhesion of HEK293 human embryonic kidney cells. When 1 x 10 <sup>5</sup> cells/well are added to Recombinant Rat Osteopontin/OPN coated plates, cell adhesion is enhanced in a dose dependent manner after 1 hour incubation at 37°C. The ED <sub>50</sub> for this effect is 1.281 μg/ml, corresponding to a specific activity is 780.640 units/mg.	1.281 μg/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> 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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