



Certificate of Analysis

ENPP-7 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P76902
Batch No.:	406757
Species:	Mouse
Source:	HEK293
Tag:	C-10*His
Accession:	Q3TIW9 (A22-Q421)
Gene ID:	238011
Molecular Weight:	Approximately 57-70 kDa due to the glycosylation.

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	≥98.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to hydrolyze sphingomyelin to ceramide and phosphorylcholine. The phosphorylcholine is cleaved by Recombinant Human Alkaline Phosphatase/ALPL and the phosphate is detected/measured by a Malachite Green Phosphate Detection Kit. In this experiment, 0.071 mM SPM substrate was used per well at 37°C for 30 min. The specific activity is 23492.16 pmol/min/μg.	23492.16 pmol/min/μg
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.	
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 (with carrier protein). 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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