



Certificate of Analysis

PLA2G2D Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P76549
Batch No.:	400133
Species:	Mouse
Source:	HEK293
Tag:	C-hFc
Accession:	Q9WVF6-1 (G20-C144)
Gene ID:	18782
Molecular Weight:	Approximately 40-50 kDa due to the glycosylation.

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 hydrolyze 20μM 1-Hexadecanoyl-2-(1-pyrene-decanoyl)-sn-glycero-3-phosphocholine. The specific activity is 23.007 pmol/min/μg, as measured under the described conditions.	23.007 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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