



# Certificate of Analysis

## LYPD3/C4.4A Protein, Mouse (HEK293, His)

Cat. No.:	HY-P76483
Batch No.:	316405
Species:	Mouse
Source:	HEK293
Tag:	C-His
Accession:	Q91YK8 (L33-H287)
Gene ID:	72434
Molecular Weight:	The protein migrates as approximately 45-75 kDa under reducing SDS-PAGE due to glycosylation.

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	96.00%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its binding ability in a functional ELISA. When LYPD3 is immobilized at 0.5 μg/mL (100 μL/well), Galectin-3 binds with an apparent KD is 109.3nM.	109.3 nM
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 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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