



# Certificate of Analysis

## Semaphorin-4A/SEMA4A Protein, Mouse (HEK293, His)

Cat. No.:	HY-P71283
Batch No.:	274379
Species:	Mouse
Source:	HEK293
Tag:	C-6*His
Accession:	Q62178 (T33-H682)
Gene ID:	20351
Molecular Weight:	67-82 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	97.03%
Endotoxin Level	<1 EU/μg, determined by LAL method.	<1 EU/μg
Biological Activity	Immobilized Mouse Semaphorin 4A at 2 μg/mL (100 μL/well) can bind Biotinylated Human ILT4 protein. The ED <sub>50</sub> for this effect is 0.6023 μg/mL.	0.6023 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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA