



# Certificate of Analysis

## Semaphorin-4D/SEMA4D Protein, Human (Biotinylated, HEK293, His-Avi)

Cat. No.:	HY-P78202
Batch No.:	213728
Species:	Human
Source:	HEK293
Tag:	C-Avi;C-His
Accession:	Q92854 (M22-R734)
Gene ID:	10507
Molecular Weight:	100-130 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by Tris-Bis PAGE.	≥95.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its binding ability in a functional ELISA. When immobilized Anti-Semaphorin 4D Antibody hFc at 0.5 μg/mL (100μL/Well), can bind Human Semaphorin 4D His Tag and the EC <sub>50</sub> is 55.2 ng/mL.	PASS
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> 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. 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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