



# Certificate of Analysis

## CD117/c-Kit Protein, Mouse (523a.a, HEK293, Fc)

Cat. No.:	HY-P72879
Batch No.:	309662
Species:	Mouse
Source:	HEK293
Tag:	C-hFc
Accession:	P05532 (S25-T523)
Gene ID:	16591
Molecular Weight:	100-120 kDa

### 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 binding ability in a functional ELISA. When Recombinant Mouse CD117 is present at 0.5 μg/mL, can bind Biotinylated Recombinant Mouse SCF/c-kit Ligand. The $ED_{50}$ for this effect is 30.7 ng/mL.	30.7 ng/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 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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