



Certificate of Analysis

CD117/c-kit Protein, Rhesus Macaque (HEK293, Fc)

Cat. No.:	HY-P74336
Batch No.:	405416
Species:	Rhesus Macaque
Source:	HEK293
Tag:	C-hFc
Accession:	NP_001253024.1 (Q26-T520)
Gene ID:	696759
Molecular Weight:	100-130 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥98.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to inhibit SCF-dependent proliferation of TF-1 <i>human erythroleukemic cells</i> . The ED_{50} for this effect is 4.132 μg/mL in the presence of 8 ng/mL of Recombinant Human SCF, corresponding to a specific activity is 2.42×10^2 units/mg.	4.132 μg/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ 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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