



Certificate of Analysis

GMP FLT3LG Protein, Human (HEK293, His)

Cat. No.:	HY-P70544G
Batch No.:	154145
Species:	Human
Source:	HEK293
Tag:	C-6*His
Accession:	P49771 (T27-P184)
Gene ID:	2323
Molecular Weight:	24-32kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<0.05 EU/μg, determined by LAL method.	PASS
Biological Activity	Immobilized Human Flt-3 Ligand at 5 μg/mL (100 μL/well) can bind Human FLT3 (C-Fc). The specific activity is $>1 \times 10^6$ U/mg.	1.22 E6 U/mg
pH Value	8.0	
Host Cell Protein (ELISA)	0.03 μg per mg of protein	
Host Cell DNA (qPCR)	5.5 pg per mg of protein	
Mycoplasma	Negative	
Sterility	PASS	
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. 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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