



Certificate of Analysis

Ephrin-B1/EFNB1 Protein, Human (HEK293, C-hFc)

Cat. No.:	HY-P700609
Batch No.:	263957
Species:	Human
Source:	HEK293
Tag:	C-hFc
Accession:	NP_004420.1 (L28-K237)
Gene ID:	1947
Molecular Weight:	approximately 58.76 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	97.08%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured in a cell proliferation assay using HUVEC cells. The ED ₅₀ this effect is 2.876 ng/mL, corresponding to a specific activity is 3.4771×10 ⁵ units/mg.	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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