



Certificate of Analysis

RANKL/TNFSF11 Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P73388
Batch No.:	269306
Species:	Mouse
Source:	HEK293
Tag:	N-hFc
Accession:	AAC40113.1 (R72-D316)
Gene ID:	21943
Molecular Weight:	Approximately 58.46 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE	93.48%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to induce osteoclast differentiation of RAW 264.7 mouse leukemia cells of monocyte macrophage. The ED ₅₀ for this effect is 1.137 ng/mL, corresponding to a specific activity is 8.795×10 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.	
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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