



Certificate of Analysis

RANKL/TNFSF11 Protein, Mouse

Cat. No.:	HY-P7425
Batch No.:	400137
Species:	Mouse
Source:	<i>E. coli</i>
Tag:	Tag Free
Accession:	O35235-1 (Q137-D316)
Gene ID:	21943
Molecular Weight:	Approximately 20.1 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥98.0%
Endotoxin Level	<1.0 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to induce osteoclast differentiation of RAW 264.7 mouse monocyte/macrophage cells. The ED ₅₀ is <1.808 ng/mL as measured by RAW 264.7 mouse monocyte/macrophage cells, corresponding to a specific activity of >5.531 × 10 ⁵ units/mg.	0.82 ng/mL
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 (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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