

Part of Thermo Fisher Scientific

Certificate of Analysis (CoA)

Recombinant Murine Leptin Animal-Free manufactured Catalog# AF-450-31 Lot# 0415AFC76 Source: <i>E.coli</i>			-	Expiration Date: December 2027 Manufacturing Site: Westlake Village, CA, USA	
Synonyms:	Obesi	ty protein (OB)			
Description:	Leptin body v	Encoded by the <i>ob</i> ( <i>obese</i> ) gene, Leptin is an adipose-derived cytokine that suppresses appetite and increases thermogenesis. Leptin exerts its anorectic effect via signaling through a hypothalamic receptor termed OB-R. Leptin has been shown to reduce body weight, food consumption, and plasma glucose levels in various <i>in vivo</i> models. Recombinant Murine Leptin is a 16.2 kDa protein containing 147 amino acid residues.			
		KVQDD TKTLIKTIVT RINDISHTQS VSAKQRVTGL DFIPGLHPIL SLSKMDQTLA VYQQVLTSLP SQNVLQIAND DLLHL LAFSKSCSLP QTSGLQKPES LDGVLEASLY STEVVALSRL QGSLQDILQQ LDVSPEC			
			Storage & Handling:		
Handling: Centrifuge vial prior to opening. Do not vortex after reconstitution. Avoid repeated freeze-thaw					es.
Reconstitution:		Initially reconstitute in water to 0.1-1.0mg/ml Store at 2°C to 8°C for up to 1 week or prepare for extended storage.			
Extended Storage:		After initial reconstitution, further dilute in a buffer containing a carrier protein or stabilizer (e.g. 5% Trehalose). Store working aliquots at -20°C to -80°C.			
Storage/Stability:		Product Form	Temperature	Storage Time	
		Lyophilized	-20°C to -80°C	December 2027	
		Бубришева		December 2027	
		Lyophilized	4°C	6 months	
		Lyophilized Lyophilized	4°C Room Temperature	6 months 1 month	
		Lyophilized Lyophilized Reconstituted	4°C Room Temperature 2°C to 8°C	6 months 1 month 1 week	
		Lyophilized Lyophilized	4°C Room Temperature	6 months 1 month	
Formulation:		Lyophilized Lyophilized Reconstituted Extended Storage	4°C Room Temperature 2°C to 8°C -20°C to -80°C	6 months 1 month 1 week 3 months	
Formulation: Authenticity:		Lyophilized Lyophilized Reconstituted Extended Storage Sterile filtered through a 0.2-m	4°C Room Temperature 2°C to 8°C -20°C to -80°C Specifications:	6 months 1 month 1 week 3 months 6 TFA.	
		Lyophilized Lyophilized Reconstituted Extended Storage Sterile filtered through a 0.2-m	4°C Room Temperature 2°C to 8°C -20°C to -80°C Specifications: icron filter. Lyophilized from 0.1% ss Spectrometry analyses (when	6 months 1 month 1 week 3 months 6 TFA.	
Authenticity:		Lyophilized Lyophilized Reconstituted Extended Storage Sterile filtered through a 0.2-m Verified by N-terminal and Mas ≥ 98% by SDS-PAGE gel and	4°C Room Temperature 2°C to 8°C -20°C to -80°C Specifications: icron filter. Lyophilized from 0.1% ss Spectrometry analyses (when HPLC analyses.	6 months 1 month 1 week 3 months 6 TFA.	
Authenticity: Purity: Endotoxin:	۰ŧ-	Lyophilized Lyophilized Reconstituted Extended Storage Sterile filtered through a 0.2-m Verified by N-terminal and Mas ≥ 98% by SDS-PAGE gel and Endotoxin level is < 0.01 ng/µg	4°C Room Temperature 2°C to 8°C -20°C to -80°C Specifications: icron filter. Lyophilized from 0.1% ss Spectrometry analyses (when HPLC analyses. g of protein (< 0.1 EU/µg).	6 months 1 month 1 week 3 months 6 TFA.	
Authenticity: Purity:		Lyophilized Lyophilized Reconstituted Extended Storage Sterile filtered through a 0.2-m Verified by N-terminal and Mas ≥ 98% by SDS-PAGE gel and	4°C Room Temperature 2°C to 8°C -20°C to -80°C Specifications: icron filter. Lyophilized from 0.1% ss Spectrometry analyses (when HPLC analyses. g of protein (< 0.1 EU/µg).	6 months 1 month 1 week 3 months 6 TFA.	

Usage: Not for human use. Country of Origin: USA

Quality Assurance Representative