Human LEPR Protein

Cat. No. LEP-HM10R

Description

Source	Recombinant Human LEPR Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Phe22-Asp839.
Accession	P48357-1
Molecular Weight	The protein has a predicted MW of 94.59 kDa. Due to glycosylation, the protein migrates to 120-150 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 90% as determined by Bis-Tris PAGE
	> 90% as determined by HPLC

Formulation and Storage

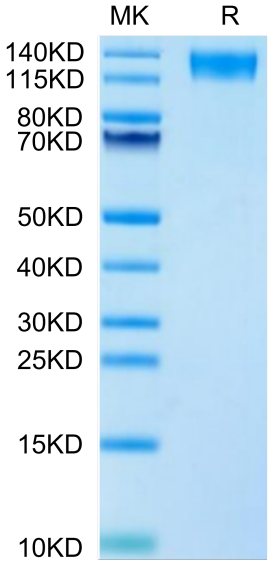
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Leptin receptor is a fundamental regulator in physiological functions of the regulation of food intake, energy homeostasis, immune function, and reproduction as well as on ovarian follicular cells on the placenta and lactating mammary glands.

Assay Data

Bis-Tris PAGE



Human LEPR on Bis-Tris PAGE under reduced condition. The purity is greater than 90%.

SEC-HPLC

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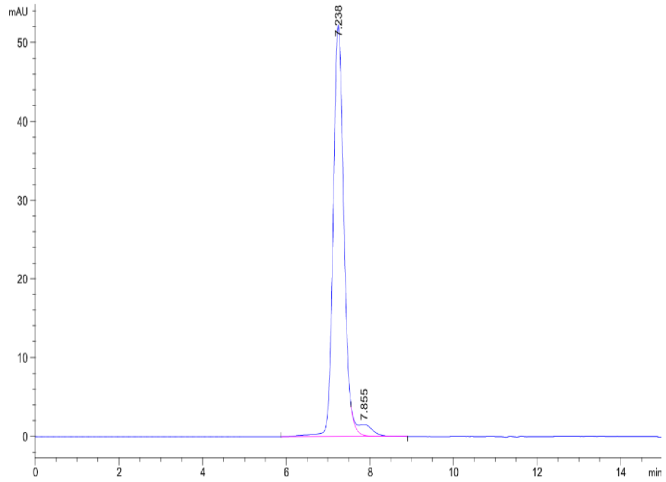

The purity of Human LEPR is greater than 90% as determined by SEC-HPLC.