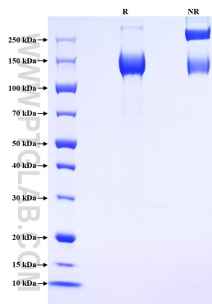


Recombinant Mouse Lepr protein (rFc Tag) (HPLC verified)

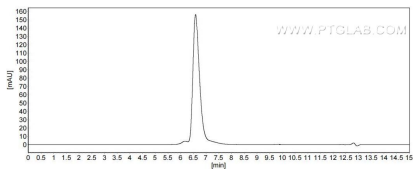
Catalog Number: Eg2930

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE >90 %, SEC-HPLC	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE >90 %, SEC-HPLC Endotoxin Level: <0.1 EU/ µg protein, LAL method Source: HEK293-derived Mouse Lepr protein Leu22-Gly839 (Accession# P48356-1) with a rabbit IgG Fc tag at the C-terminus. GeneID: 16847 Accession: P48356-1 Predicted Molecular Mass: 118.2 kDa SDS-PAGE: 120-180 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	The hormone leptin, secreted predominantly from adipose tissue, plays a crucial role in the regulation of numerous neuroendocrine functions, from energy homeostasis to reproduction. Leptin acts through the leptin receptor (LEPR, also known as OB-R), a single-transmembrane-domain receptor of the cytokine receptor family. On ligand binding, LEPR mediates signaling through JAK2/STAT3. LEPR plays an important role in the regulation of glucose homeostasis via feeding and adiposity.		
References	1.Cottrell EC. et al. (2012). Handb Exp Pharmacol. (209):3-21. 2.Tartaglia LA. (1997). J Biol Chem. 272(10):6093-6096. 3.Baskin DG. et al. (1999). J Histochem Cytochem. 47(3):353-362.		
Synonyms	B219, CD295, Db, LEP-R, Leptin receptor		

Selected Validation Data



Purity of Recombinant Mouse Lepr was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Mouse Lepr was greater than 90% as determined by SEC-HPLC.