

## Recombinant Human Leptin Receptor protein (Fc Chimera) ab155615

1 图像

描述

产品名称	重组人Leptin Receptor蛋白(Fc Chimera)
纯度	> 90 % SDS-PAGE.
内毒素水平	< 1.000 Eu/μg
表达系统	HEK 293 cells
Accession	<b><u>P48357</u></b>
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
序列	<p>FNLSYPITPWRFKLSCMPPNSTYDYFLLPAGLSKNTSNSNGH  YETAVEPK FNSSGTHFSN  LSKTTFHCCFRSEQDRNCSLCADNIEGKTFVSTVNSLV  FQQIDANWNIQCWLKGDCLKFI  CYVESLFKNLFRNYNYKVHLLYVLP  VLEDSPLVPQKGSFQMVHCNCSVHECCECLVPVP  TAKLNDTLLMCLKI  TSGGVIFQSPLMSVQPINMVKPDPPLGLHMEITDDGNLKISW  SSPP LV  PFPLQYQVKYSENSTTVIREADKIVSATSLLVDSILPGSSYE  VQVRGKRL DGPGIWS  WSTPRVFTTQDVIYFPPKILTSVGSNVSFHCIYKKNKIV  PSKEIVWWMNLAEKIPQSQY  DVVSDHVSKVTFNLFNETKPRGKFTYDA  VYCCNEHECHRYAELYVIDVNINISCETDGY  LTKMTCRWSTSTIQSL  AESTLQLRYHRSSLYCSDIPSIHPISEPKDCYLQSDGFYECI  FQ PIFL  LSGYTMWIRINHSLGSLDSPPTCVLPDSVVKPLPPSSVKA EI  TINIGLLK ISWEKP  VFPENNLQFQIRYGLSGKEVQWKMYEVYDAKSKSVSLPVPDL  CAVYAVQVRCKRLDGLGY</p>

WSNWSNPAYTVVMDIKVPMRGPEFWRIING  
DTMKKEKNVTLLWKPLMKNDLCSVQRYVI  
NHHTSCNGTWEDEVGNHT  
KFTFLWTEQAHTVTVLAINSIGASVANFNLTFSWPMSKVNI  
QSL SAY  
PLNSSCVIVSWILSPSDYKLMYFII EWKNLNEDGEIKWLRIS  
SSVKKYYI HDHF  
IPIEKYQFSLYPIFMEGVGKPKIINSFTQDDIEKHQSD

**预测分子量** 120 kDa including tags  
**氨基酸** 22 to 839  
**标签** Fc tag C-Terminus

## 技术指标

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Our **Abpromise guarantee** covers the use of **ab155615** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**应用** SDS-PAGE  
**形式** Lyophilized  
**补充说明** This product is stable after storage at:  
-20°C to -70°C for 12 months in lyophilized state;  
-70°C for 3 months under sterile conditions after reconstitution.

## 制备和贮存

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**稳定性和存储** Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.  
pH: 7.4  
Constituents: 0.6057% Tris, 0.7507% Glycine  
**复溶** Reconstitute with sterile deionized water to a concentration of 300 µg/ml.

## 常规信息

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**功能** Receptor for obesity factor (leptin). On ligand binding, mediates signaling through JAK2/STAT3. Involved in the regulation of fat metabolism and, in a hematopoietic pathway, required for normal lymphopoiesis. May play a role in reproduction. Can also mediate the ERK/FOS signaling pathway.  
**组织特异性** Isoform A is expressed in fetal liver and in hematopoietic tissues and choroid plexus. In adults highest expression in heart, liver, small intestine, prostate and ovary. Low level in lung and kidney. Isoform B is highly expressed in hypothalamus.  
**序列相似性** Belongs to the type I cytokine receptor family. Type 2 subfamily.  
Contains 4 fibronectin type-III domains.  
Contains 1 Ig-like (immunoglobulin-like) domain.  
**结构域** The cytoplasmic domain may be essential for intracellular signal transduction by activation of JAK tyrosine kinase and STATs.  
The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding.

The box 1 motif is required for JAK interaction and/or activation.

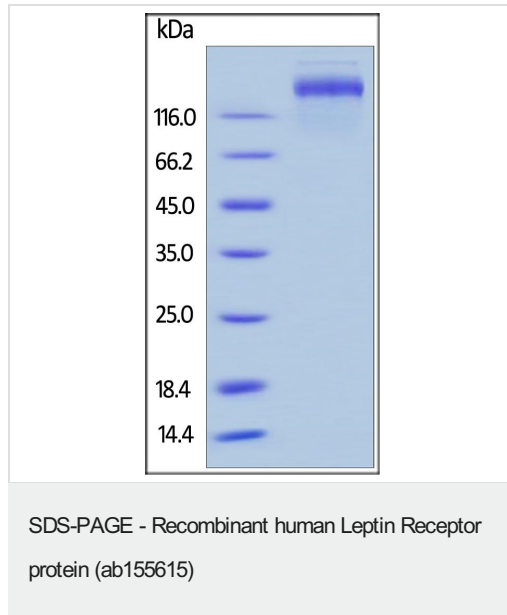
#### 翻译后修饰

On ligand binding, phosphorylated on two conserved C-terminal tyrosine residues (isoform B only) by JAK2. Tyr-986 is required for complete binding and activation of PTPN11, ERK/FOS activation and, for interaction with SOCS3 (By similarity). Phosphorylation on Tyr-1141 is required for STAT3 binding/activation.

#### 细胞定位

Secreted and Cell membrane.

#### 图片



SDS-PAGE of reduced ab155615 stained overnight with Coomassie Blue. The protein migrates as 150-165 kDa due to glycosylation.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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