

Recombinant human IL-6R protein ab167742

2 References 画像数 3

製品の詳細

製品名	Recombinant human IL-6R protein
生理活性	Measured by its ability to enhance the IL6 activity on M1 mouse myeloid leukemia cells. The ED ₅₀ for this effect is typically 15-60 ng/ml.
精製度	> 90 % SDS-PAGE. ab167742 was lyophilized from 0.22 µm filtered solution. Purified by Immobilized metal affinity chromatography.
エンドトキシン・レベル	< 1.000 Eu/µg
発現系	HEK 293 cells
アクセッション番号	<u>P08887</u>
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
配列	LAPRRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNATVHWV LRKPAAGS HPSRWAGMGRRLLLRSVQLHDSGNYSYRAGRPAAGTVHLLVD VPPEEPQL SCFRKSPLSNVCEWGPRSTPSLTTKAVLLVRKFQNSPAEDF QEPCQYSQ ESQKFSCQLAVPEGDSSFYIVSMCVASSVGSKFSKTQTFQGC GILQPDPP ANITVTAVARNPRWLSVTWQDPHSWNSSFYRLRFELRYRAER SKTFTTWM VKDLQHHCVIHDAWSGLRHVVQLRAQEEFGQGEWSEWSPEAM GTPWTESR SPPAENEVSTPMQALTTNKDDDNILFRDSANATSLPVQDSSS VPLP
予測される分子量	40 kDa including tags
領域	20 to 365
タグ	His tag N-Terminus

特性

Our **Abpromise guarantee** covers the use of **ab167742** in the following tested applications.

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

アプリケーション Functional Studies

SDS-PAGE

製品の状態 Lyophilized

前処理および保存

保存方法および安定性 Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.40

Constituents: 94% PBS, 5% Trehalose

This product is an active protein and may elicit a biological response in vivo, handle with caution.

再構成 It is recommended to reconstitute the lyophilized protein in sterile deionized water to a final concentration of 250 µg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% HSA or BSA) is strongly recommended for further dilution and long term storage.

関連情報

機能 Part of the receptor for interleukin 6. Binds to IL6 with low affinity, but does not transduce a signal. Signal activation necessitate an association with IL6ST. Activation may lead to the regulation of the immune response, acute-phase reactions and hematopoiesis.

Low concentration of a soluble form of IL6 receptor acts as an agonist of IL6 activity.

組織特異性 Isoform 2 is expressed in peripheral blood mononuclear cells and weakly found in urine and serum.

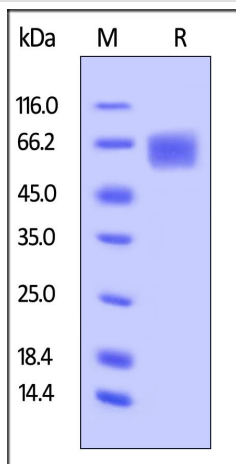
配列類似性 Belongs to the type I cytokine receptor family. Type 3 subfamily.
Contains 1 fibronectin type-III domain.
Contains 1 Ig-like C2-type (immunoglobulin-like) domain.

ドメイン The two fibronectin type-III-like domains, contained in the N-terminal part, form together a cytokine-binding domain.
The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding.

翻訳後修飾 A short soluble form may also be released from the membrane by proteolysis.

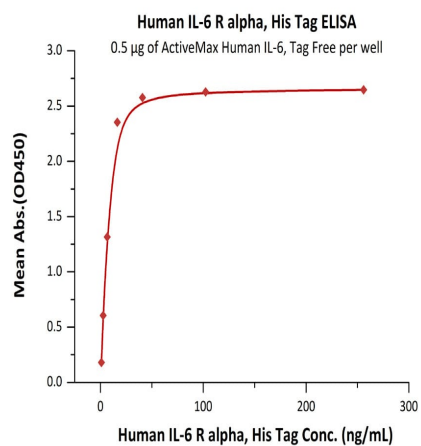
細胞内局在 Secreted and Basolateral cell membrane.

画像



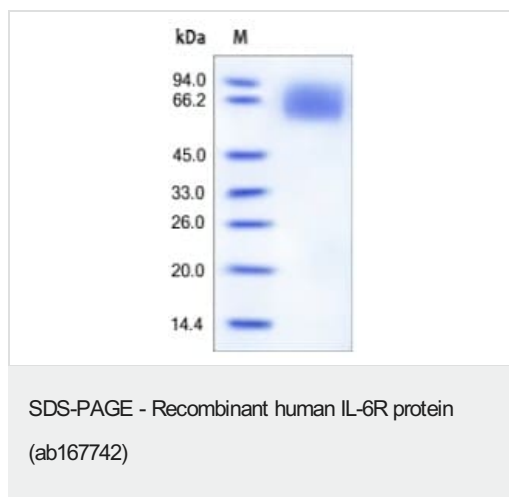
SDS-PAGE - Recombinant human IL-6R protein (ab167742)

Human IL-6 R alpha, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 92%.



Functional Studies - Recombinant human IL-6R protein (ab167742)

Immobilized ActiveMax® Human IL-6, Tag Free at 5 µg/mL (100 µL/well) can bind Human IL-6 R alpha, His Tag with a linear range of 1-16 ng/mL.



SDS-PAGE analysis of reduced ab167742 and staining overnight with Coomassie Blue. Protein migrates as 60-70 kDa in reduced SDS-PAGE resulting from glycosylation.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors