

Product datasheet

Recombinant Human CD116 protein (denatured)  
ab171473

1 Image

Description

<b>Product name</b>	Recombinant Human CD116 protein (denatured)
<b>Purity</b>	> 85 % SDS-PAGE.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<a href="#">P15509-2</a>
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<p>MGSSHHHHHH SSGLVPRGSH MGSLIPEKSD  LRTVAPASSL NVRFDSRTMN LSWDCQENTT  FSKCFLTDKK NRVVEPRLSN NECSCTFREI  CLHEGVTFEV HVNTSQRGFQ QKLLYPNSGR  EGTAAQNFSC FYNADLMNC TWARGPTAPR  DVQYFLYRN SKRRREIRCP YYIQDSGTHV GCHLDNLSGL  TSRNYFLVNG TSREIGIQFF DSLLDTKKIE RFNPPSNVTV  RCNTTHCLVR WKQPRTYQKL SYLDFQYQLD  VHRKNTQPGT ENLLINVSGD LENRYNFPSS  EPRAKHSVKI RAADVRLNW SSWSEAIEFG SDDG</p>
<b>Predicted molecular weight</b>	37 kDa including tags
<b>Amino acids</b>	20 to 320
<b>Tags</b>	His tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab171473** in the following tested applications.

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

<b>Applications</b>	SDS-PAGE
<b>Form</b>	Liquid
<b>Additional notes</b>	This product was previously labelled as GM-CSF Receptor alpha

## Preparation and Storage

### Stability and Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

pH: 8.00

Constituents: 2.4% Urea, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine)

## General Info

### Function

Low affinity receptor for granulocyte-macrophage colony-stimulating factor. Transduces a signal that results in the proliferation, differentiation, and functional activation of hematopoietic cells.

### Involvement in disease

Defects in CSF2RA are the cause of pulmonary surfactant metabolism dysfunction type 4 (SMDP4) [MIM:300770]. A rare lung disorder due to impaired surfactant homeostasis. It is characterized by alveolar filling with floccular material that stains positive using the periodic acid-Schiff method and is derived from surfactant phospholipids and protein components. Excessive lipoproteins accumulation in the alveoli results in severe respiratory distress.

### Sequence similarities

Belongs to the type I cytokine receptor family. Type 5 subfamily.

### Domain

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.

### Cellular localization

Secreted and Cell membrane.

## Images



15% SDS-PAGE analysis of 3µg ab171473.

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

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- We provide support in Chinese, English, French, German, Japanese and Spanish
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