

Product datasheet

Recombinant Sheep IL-6 protein (Tagged) ab235819

1 Image

Description

<b>Product name</b>	Recombinant Sheep IL-6 protein (Tagged)	
<b>Purity</b>	> 90 % SDS-PAGE.	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">P29455</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Sheep	
<b>Sequence</b>	GPLGEDFKNDTTPSRLLLTTPKEKTEALIKHIVDKISAIRKEIC EKNDECE NSKETLAENKLLPKMEEKDGCFSQGFNQAIKLIKTTAGLL EYQMLDFL QNEFEGNQETVMELQSSIRTLIQLKEKIAGLITTPATHDML EKMQSSN EWVKNNAKVIIILRSLENFLQFSLRAIRMK	
<b>Predicted molecular weight</b>	48 kDa including tags	
<b>Amino acids</b>	30 to 208	
<b>Tags</b>	GST tag N-Terminus	
<b>Additional sequence information</b>	This product is the mature full length protein from aa 30 to 208. The signal peptide is not included.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab235819** 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

Preparation and Storage

**Stability and Storage** Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.  
 Constituents: Tris buffer, 50% Glycerol (glycerin, glycerine)

## General Info

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<b>Function</b>	Cytokine with a wide variety of biological functions. It is a potent inducer of the acute phase response. Plays an essential role in the final differentiation of B-cells into Ig-secreting cells. Involved in lymphocyte and monocyte differentiation. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation. Acts on B-cells, T-cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS. Also acts as a myokine. It is discharged into the bloodstream after muscle contraction and acts to increase the breakdown of fats and to improve insulin resistance.
<b>Involvement in disease</b>	Genetic variations in IL6 are associated with susceptibility to rheumatoid arthritis systemic juvenile (RASJ) [MIM:604302]. An inflammatory articular disorder with systemic-onset beginning before the age of 16. It represents a subgroup of juvenile arthritis associated with severe extraarticular features and occasionally fatal complications. During active phases of the disorder, patients display a typical daily spiking fever, an evanescent macular rash, lymphadenopathy, hepatosplenomegaly, serositis, myalgia and arthritis. Note=A IL6 promoter polymorphism is associated with a lifetime risk of development of Kaposi sarcoma in HIV-infected men.
<b>Sequence similarities</b>	Belongs to the IL-6 superfamily.
<b>Post-translational modifications</b>	N- and O-glycosylated.
<b>Cellular localization</b>	Secreted.

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## Images

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) analysis with 5% enrichment gel and 15% separation gel of ab235819.

**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

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- 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.com/abpromise> or contact our technical team.

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