

Product datasheet

Recombinant Cat IL6 protein ab117233

Overview

Product name	Recombinant Cat IL6 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Yeast

Amino Acid Sequence

Accession	P41683
Species	Cat
Sequence	TPGPLGGDAT SNRLPLTPAD KMEELIKYIL GKISALKKEM CDNYNKCEDS KEALAENNLN LPKLAEKDGC FQSGFNQETC LTRITTGLQE FQMLKFLQD KYEGDKENAK SVYTSTNVLL QMLKRKGKNQ DEVTIPVPTV EVGLQLSCSH RRVAEAHNNH LTLRRLEDFL QLRLRAVRIM
Molecular weight	20 kDa
Amino acids	28 to 208

Specifications

Our [Abpromise guarantee](#) covers the use of **ab117233** in the following tested applications.

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

Applications	SDS-PAGE
Purity	> 95 % SDS-PAGE. Ion-exchange chromatography
Form	Lyophilised
Additional notes	Stable for up to twelve months from date of receipt at -20°C. Stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. Avoid repeated freeze/thaw cycles.

Preparation and Storage

Stability and Storage	Shipped at 4°C. Please see notes section. Constituents: 90% PBS, 10% Trehalose
Reconstitution	Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.

General Info

Function	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.
Involvement in disease	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.
Sequence similarities	Belongs to the IL-6 superfamily.
Post-translational modifications	N- and O-glycosylated.
Cellular localization	Secreted.

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