

Product datasheet

Recombinant human IL-4 protein ab155733

1 Image

Overview

Product name	Recombinant human IL-4 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	HEK 293 cells
Amino Acid Sequence	
Accession	P05112
Species	Human
Sequence	HKCDITLQEIIKTLNSLTEQKTLCTELTVTDIFAASKNTTE KETFCRAAT VLRQFYSHHEKDTRCLGATAQQFHRHKQLIRFLKRLDR NLWGLAGLNSCP VKEANQSTLENFLERLKTIMREKYSKCSS
Molecular weight	15 kDa
Amino acids	25 to 153

Specifications

Our [Abpromise guarantee](#) covers the use of **ab155733** in the following tested applications.

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

Biological activity	Immobilized Human IL-4, Tag Free at 5 µg/mL (100 µL/well) can bind Human IL-4 R alpha, Fc Tag with a linear range of 1-20 ng/mL
Applications	Functional Studies SDS-PAGE
Endotoxin level	< 1.000 Eu/µg
Purity	>95% by SDS-PAGE . ab155733 was lyophilised from 0.22 µm filtered solution.
Form	Lyophilised

Preparation and Storage

Stability and Storage

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: 6.00

Constituents: 0.39% MES, 5% Trehalose, 1.17% Sodium chloride

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

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile deionized water to a final concentration of 400 ug/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.

General Info

Function

Participates in at least several B-cell activation processes as well as of other cell types. It is a costimulator of DNA-synthesis. It induces the expression of class II MHC molecules on resting B-cells. It enhances both secretion and cell surface expression of IgE and IgG1. It also regulates the expression of the low affinity Fc receptor for IgE (CD23) on both lymphocytes and monocytes.

Involvement in disease

Genetic variations in IL4 may be a cause of susceptibility to ischemic stroke (ISCHSTR) [MIM:601367]; also known as cerebrovascular accident or cerebral infarction. A stroke is an acute neurologic event leading to death of neural tissue of the brain and resulting in loss of motor, sensory and/or cognitive function. Ischemic strokes, resulting from vascular occlusion, is considered to be a highly complex disease consisting of a group of heterogeneous disorders with multiple genetic and environmental risk factors.

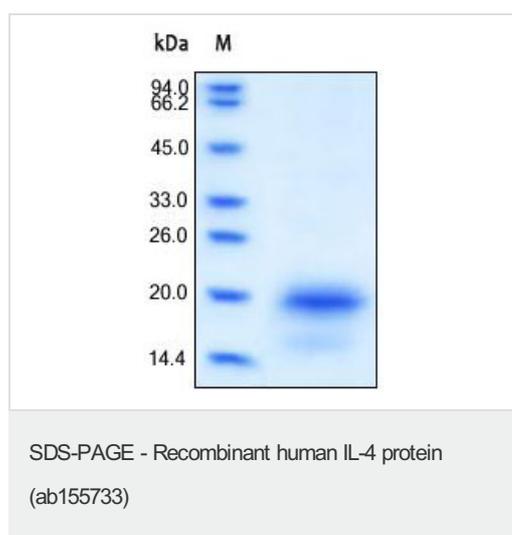
Sequence similarities

Belongs to the IL-4/IL-13 family.

Cellular localization

Secreted.

Images



SDS-PAGE analysis of reduced ab155733 stained overnight with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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