

Human recombinant IL-26 (Interleukin-26) protein, AF

Catalog Number: PROTQ9NPH9-3

Overview

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| Product Name | Human recombinant IL-26 (Interleukin-26) protein, AF |
| Description | Interleukin 26 (IL-26) predicts a molecular mass of 19.8 kDa, is expressed in certain herpesvirus-transformed T cells but not in primary stimulated T cells. T helper 1 cells and Th17 memory CD4+ cells are the major sources of IL-26. More accurately, IL-26 is expressed by pro-inflammatory IL-17 producing T cells in chronically inflamed tissues. |
| Size | 5ug,20ug,100ug |
| Tag | His Tag (C-term) |
| Form | Lyophilized |
| Source | Escherichia coli |
| Formulation | The protein was lyophilized from a 0.2 um filtered solution containing 1X PBS, pH 8.0. If you have any concerns or special requirements, please confirm with us. |

Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

Purity

>98% as determined by SDS-PAGE.

Molecular weight

The protein has a calculated MW of 18.53 kDa. The protein migrates as 18 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to induce IL-10 secretion in COLO205 cells. The ED₅₀ for this effect is <150 ng/mL.

Endotoxin

<0.1 EU per 1 ug of the protein by the LAL method.

Amino Acid Sequence

MKHKQSSFTKSCYPRGTLTSAVDALYIKAAWHKATIPEDRIKNIRLLKKKTKKQFMKNCQFQEQLLSFFMEDVFGQLQLQGCKKIRFVEDFHSLRQKLS
HCISCASSAREMKSITRMKRIFYRIGNKGIYKAISELDILLSWIKKLESSQ with polyhistidine tag at the C-terminus.

Reconstitution

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 ug/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Usage

Boster's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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