

Recombinant Human IL-26 protein(His Tag)

Catalog No. PKSH034111

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms	AK155
Species	Human
Expression Host	E.coli
Sequence	Lys 22-Gln 171
Accession	Q9NPH9
Calculated Molecular Weight	18.5 kDa
Observed molecular weight	18 kDa
Tag	C-His
Bioactivity	Measure by its ability to induce IL-10 secretion in COLO205 cells. The ED ₅₀ for this effect is < 150 ng/mL.

Properties

Purity	> 98 % as determined by reducing SDS-PAGE.
Endotoxin	< 0.1 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS,pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Background

May play a role in local mechanisms of mucosal immunity and seems to have a pro-inflammatory function. May play a role in inflammatory bowel disease. Activates STAT1 and STAT3, MAPK1/3 (ERK1/2), JUN and AKT. Induces expression of SOCS3, TNF-alpha and IL-8, secretion of IL-8 and IL-10 and surface expression of ICAM1. Decreases proliferation of intestinal epithelial cells. Is inhibited by heparin.

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