## **Recombinant Human IL-26 protein(His Tag)**

Catalog Number: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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