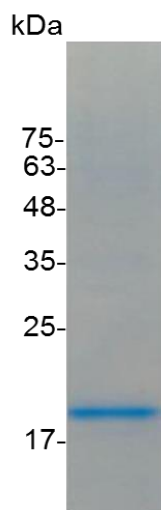


PRODUCT INFORMATION
IL-26 (Interleukin-26), Human

Catalog number	C01031-5UG / C01031-20UG / C01031-100UG
Package	5 µg / 20 µg / 100 µg
Description	Interleukin 26 (IL-26), is a natural human antimicrobial that promotes immune sensing of bacterial and host cell death. IL-26, a human TH17 cell-derived cytokine, is a cationic amphipathic protein that kills extracellular bacteria via membrane-pore formation. Furthermore, TH17 cell-derived IL-26 formed complexes with bacterial DNA and self-DNA released by dying bacteria and host cells. The IL-26–DNA complexes triggered the production of type I interferon by plasmacytoid dendritic cells via activation of Toll-like receptor 9, but independently of the IL-26 receptor.
Source	<i>Escherichia coli</i>
Sequence	MKHKQSSFTKSCYPRGTLTQAVDALYIKAAWHKATIPEDRIKNIRLLKKKTKKQF MKNQCFQEQLLSFFMEDVFGQLQLQGCKKIRFVEDFHSRQKLSHCISCASSA REMKSITRMKRIFYRIGNKGIYKAISELDILLSWIKKLEESSQ with polyhistidine tag at the C-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measure by its ability to induce IL-10 secretion in COLO205 cells. The ED ₅₀ for this effect is <150 ng/mL.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Formulation	The protein was lyophilized from a solution containing 1X PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Note	Please use within two weeks after protein reconstitution.



SDS-PAGE analysis of recombinant human IL-26

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