Recombinant Human IL19 Protein, His-tagged

Cat. No. IL19-03H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human IL-19 (25-177aa), fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Species	Human
Source	HEK293
ProteinLength	25-177aa
Description	The protein encoded by this gene is a cytokine that belongs to the IL10 cytokine subfamily. This cytokine is found to be preferentially expressed in monocytes. It can bind the IL20 receptor complex and lead to the activation of the signal transducer and activator of transcription 3 (STAT3). A similar cytokine in mouse is reported to up-regulate the expression of IL6 and TNF-alpha and induce apoptosis, which suggests a role of this cytokine in inflammatory responses. Alternatively spliced transcript variants encoding the distinct isoforms have been described.
Form	Liquid
Molecular Mass	19.1 kDa (164aa)
AA Sequence	LRRCLISTDMHHIEESFQEIKRAIQAKDTFPNVTILSTLETLQIIKPLDVCCVTKNLLAFY VDRVFKDHQEPNPKILRKISSIANSFLYMQKTLRQCQEQRQCHCRQEATNATRVIHD NYDQLEVHAAAIKSLGELDVFLAWINKNHEVMFSA

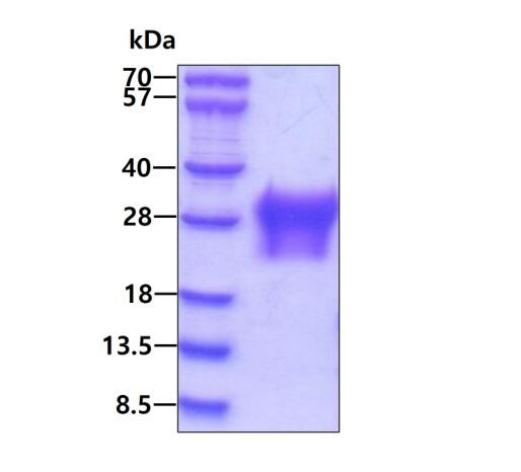
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Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	> 95% by SDS-PAGE
Applications	SDS-PAGE
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/mL (determined by absorbance at 280nm)
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

GENE INFORMATION

Gene Name	IL19 interleukin 19 [Homo sapiens (human)]
Official Symbol	IL19
Synonyms	IL19; interleukin 19; MDA1; NG.1; ZMDA1; IL-10C; interleukin-19; melanoma differentiation associated protein-like protein
Gene ID	29949
mRNA Refseq	NM_013371
Protein Refseq	NP_037503
MIM	605687
UniProt ID	Q9UHD0

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SDS-PAGE	 3μg by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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