

Active Recombinant Human IL32 Protein (Met1-Lys131), C-His tagged, Animal-free, Carrier-free

Cat. No. IL32-314H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL32 Protein (Met1-Lys131) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Met1-Lys131
Description	Interleukin 32 alpha (IL-32α) is an 18 kDa cytokine with 131 amino acid residues and one of the IL-2 splice variants. IL-32α is primarily secreted from inflammatory cells, such as NK cells, T-cells, peripheral blood mononuclear cells (PBMCs), and monocytes. IL-32 alpha is a proinflammatory cytokine regulating IL-6 by interaction with protein kinase C(PKC). It also interacts with paxillin, integrin, and focal adhesion kinase 1 (FAK 1).
Form	Lyophilized
Bio-activity	Measure by its ability to induce TNF alpha secretion in RAW264.7 cells. The ED50 for this effect is < 10 µg/mL.
Molecular Mass	The protein has a calculated MW of 15.72 kDa. The protein migrates as 18 kDa under reducing condition (SDS-PAGE analysis).

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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	IL32 interleukin 32 [Homo sapiens (human)]
Official Symbol	IL32
Synonyms	IL32; interleukin 32; interleukin-32; natural killer cell transcript 4; NK4; TAIF; TAIFb; TAIFd; interleukin-32 eta; interleukin-32 small; interleukin-32 theta; natural killer cells protein 4; tumor necrosis factor alpha-inducing factor; TAIFa; TAIFc; IL-32beta; IL-32alpha; IL-32delta; IL-32gamma;
Gene ID	9235

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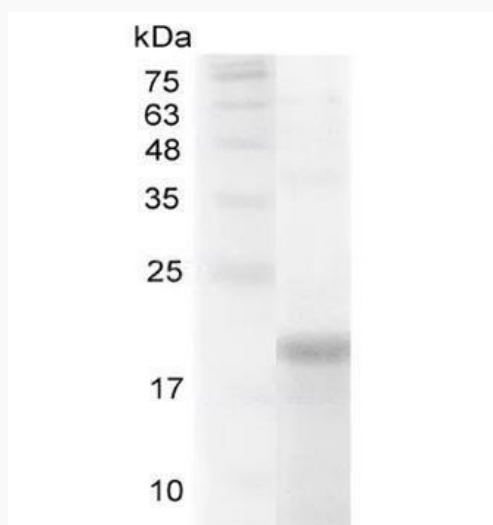
mRNA Refseq [NM_001012631](#)

Protein Refseq [NP_001012649](#)

MIM [606001](#)

UniProt ID [P24001](#)

**SDS-PAGE analysis
of recombinant
human IL-32 Alpha.**



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