

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

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human IL32 Protein (Met1-Lys131) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1-Lys131
<b>Description</b>	Interleukin 32 alpha (IL-32 $\alpha$ ) is an 18 kDa cytokine with 131 amino acid residues and one of the IL-2 splice variants. IL-32 $\alpha$ 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).
<b>Form</b>	Lyophilized
<b>Bio-activity</b>	Measure by its ability to induce TNF alpha secretion in RAW264.7 cells. The ED50 for this effect is < 10 $\mu$ g/mL.
<b>Molecular Mass</b>	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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<b>Endotoxin</b>	< 0.1 EU/μg of the protein by the LAL method.
<b>Purity</b>	>98% as determined by SDS-PAGE analysis.
<b>Storage</b>	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.
<b>Storage Buffer</b>	Lyophilized from a 0.2 μm filtered solution of PBS, pH 8.0.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

## GENE INFORMATION

<b>Gene Name</b>	IL32 interleukin 32 [ Homo sapiens (human) ]
<b>Official Symbol</b>	IL32
<b>Synonyms</b>	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;
<b>Gene ID</b>	9235

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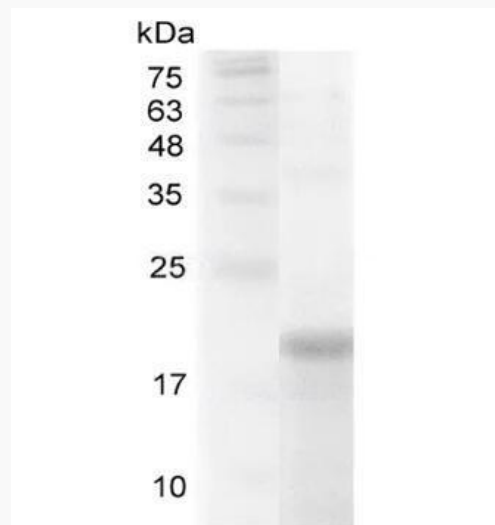
mRNA Refseq [NM\\_001012631](#)

Protein Refseq [NP\\_001012649](#)

MIM [606001](#)

UniProt ID [P24001](#)

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



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