

Active Recombinant Human IL32 Protein, His-tagged

Cat. No. IL32-00H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL32 (Met1-Lys188) Protein with a His tag at N-terminus was expressed in E. coli.
Species	Human
Source	E.coli
Protein Length	1-188
Description	This gene encodes a member of the cytokine family. The protein contains a tyrosine sulfation site, 3 potential N-myristoylation sites, multiple putative phosphorylation sites, and an RGD cell-attachment sequence. Expression of this protein is increased after the activation of T-cells by mitogens or the activation of NK cells by IL-2. This protein induces the production of TNF α from macrophage cells. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Bio-activity	Measured by its ability to induce TNF- α secretion by RAW 264.7 mouse monocyte/macrophage cells under serum free conditions in the presence of 10 μ g/mL of Polymyxin B. Kim, S.H. et al. (2005) Immunity 22:131. The ED50 for this effect is 10-50 ng/mL.
Molecular Mass	23.1 kDa
N-terminal Sequence Analysis	Met

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Endotoxin	<1.0 EU/μg of the protein by the LAL method.
Purity	>90% by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after opening. 3 months, -20 to -70 centigrade under sterile conditions after opening.
Storage Buffer	Supplied as a 0.2 μm filtered solution in HEPES, NaCl, DTT and CHAPS.
Shipping	The product is shipped with dry ice or equivalent.

GENE INFORMATION

Gene Name	IL32 interleukin 32 [Homo sapiens (human)]
Official Symbol	IL32
Synonyms	IL32; interleukin 32; NK4; TAIF; TAIFa; TAIFb; TAIFc; TAIFd; IL-32beta; IL-32alpha; IL-32delta; IL-32gamma; interleukin-32; interleukin-32 eta; interleukin-32 small; interleukin-32 theta; natural killer cell transcript 4; natural killer cells protein 4; tumor necrosis factor alpha-inducing factor
Gene ID	9235
mRNA Refseq	NM_001012631
Protein Refseq	NP_001012649
MIM	606001

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UniProt ID

P24001

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