

IL-32 alpha Active Protein | IL 32A active protein

Recombinant Human IL-32 alpha

CATALOG #
AAA38596

PRODUCT SYNONYMS

IL-32 alpha; Recombinant Human IL-32 alpha; IL 32A Human; Interleukin-32 alpha Human Recombinant; NK4; TAIF; TAIFa; TAIFb; TAIFc; TAIFd; IL-32beta; IL-32alpha; IL-32delta; IL-32gamma; Interleukin-32; IL-32; Natural killer cells protein 4; Tumor necrosis factor alpha-inducing factor; IL-32a; IL32a; IL32; Interleukin-32 alpha; IL 32A active protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 97.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	IL-32 was lyophilized from a concentrated (1mg/ml) solution in water containing 50mM sodium Phosphate buffer pH=7.5. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	MCFPKVLSDD MKKLKARMHQ AIERFYDKMQ NAESGRGQVM SSLAELEDDF KEGYLETVA YEEQHPELT PLLEKERDGL RCRGNRSPVP DVEDPATEEP GESFCDKSYG APRGDKEELT PQKCSEPQSS K
Sequence Length	188
Source	E Coli
Solubility	It is recommended to reconstitute the lyophilized IL-32 in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Human IL-32 alpha activity is measured via the dose-dependent induction of TNF-alpha in the human THP-1 monocytic cell line.
Preparation and Storage	Lyophilized IL32 although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution IL32 should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for IL 32A active protein	Description: Interleukin-32 human recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain containing 131 amino acids and having a molecular mass of 14.9 kDa. Introduction: IL-32 is part of the cytokine family and contains a tyrosine sulfation site, 3 potential N-myristoylation sites, multiple putative phosphorylation sites, and an RGD cell-attachment sequence. IL-32 expression is elevated after the activation of T-cells by mitogens or the activation of NK cells by IL-2. IL-32 induces the production of TNF-a from macrophage cells. IL-32 pro-inflammatory pathway is activated in response to influenza A virus infection. Dysregulation of IL-32 in myelodysplastic syndrome and chronic myelomonocytic leukemia modulates apoptosis and impairs NK function. Induction of TNF, IL-1beta, and IL-6 by IL-32 is intervened by p38-MAPK. IL-32 induced monocyte-to-macrophage differentiation is mediated through nonapoptotic, caspase-3-dependent mechanisms. IL32 plays an important role in the pathogenesis of rheumatoid arthritis. IL-32 is involved in activation-induced cell death in T cells, through its intracellular actions. IL-32 is a cell-associated proinflammatory cytokine, which is particularly stimulated by mycobacteria through a caspase-1- and IL-18-dependent production of interferon gamma. IL-32 is associated with TNF-a, IL-1beta, and IL-18. IL32 is involved in human rheumatoid arthritis and is a novel target in autoimmune diseases.
Product Categories/Family for IL 32A active protein	Cytokines and Growth Factors ; Cytokines ; Interleukin

NCBI AND UNIPROT INFORMATION

NCBI GI #	61639466
NCBI GeneID	9235
NCBI Accession #	NP_001012649.1
NCBI GenBank Nucleotide #	NM_001012631.1
UniProt Accession #	P24001; Q5VFH7; Q5VFH8; Q8WV38; Q96GK9; A6NNM0; A8MPX0; B4DJM1; B8Q191; D3DUB0; D3DUB2
Molecular Weight	17,003 Da
NCBI Official Full Name	interleukin-32 isoform B
NCBI Official Synonym Full Names	interleukin 32
NCBI Official Symbol	IL32
NCBI Official Synonym Symbols	NK4; TAIF; TAIFa; TAIFb; TAIFc; TAIFd; IL-32beta; IL-32alpha; IL-32delta; IL-32gamma
NCBI Protein Information	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
UniProt Protein Name	Interleukin-32
UniProt Gene Name	IL32
UniProt Synonym Gene Names	NK4; TAIF; IL-32
UniProt Entry Name	IL32_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/il-32a-active-protein/il-32-alpha/38596>