

## IL-32 Protein, Human (HEK293, His)

Cat. No.:	HY-P73884
Synonyms:	Interleukin-32; IL-32; NK4; TAIF
Species:	Human
Source:	HEK293
Accession:	P24001-4/NP_001012651 (M1-K131)
Gene ID:	9235
Molecular Weight:	Approximately 20 kDa

### PROPERTIES

AA Sequence	<p>M C F P K V L S D D      M K K L K A R M H Q      A I E R F Y D K M Q      N A E S G R G Q V M</p> <p>S S L A E L E D D F      K E G Y L E T V A A      Y Y E E Q H P E L T      P L L E K E R D G L</p> <p>R C R G N R S P V P      D V E D P A T E E P      G E S F C D K S Y G      A P R G D K E E L T</p> <p>P Q K C S E P Q S S      K</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	<p>IL-32 Protein, a member of the cytokine family, is characterized by features such as a tyrosine sulfation site, three potential N-myristoylation sites, multiple putative phosphorylation sites, and an RGD cell-attachment sequence. Its expression is notably increased following the activation of T-cells by mitogens or the activation of NK cells by IL-2. IL-32 plays a pivotal role in inducing the production of TNFalpha from macrophage cells, implicating its involvement in inflammatory responses. The gene exhibits alternative transcriptional splice variants, giving rise to different isoforms with distinct functional characteristics. IL-32 demonstrates broad expression across various tissues, with substantial levels observed in the small intestine (RPKM 122.1), spleen (RPKM 121.0), and 22 other tissues, underscoring its diverse roles and potential contributions to immune modulation and tissue-specific functions.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA