

For Research Use Only

Recombinant Human IL-32 protein (isoform alpha, rFc Tag)



Catalog Number: Eg3224

Basic Information

Species:
Human

Purity:
>85 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:
>85 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Human IL-32 isoform alpha protein Met1-Lys131 (Accession# P24001-4) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
9235

Accession:
P24001-4

Predicted Molecular Mass:
41.2 kDa

SDS-PAGE:
29-31 kDa and 43-48 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Interleukin 32 (IL32) is a member of the cytokine family. IL32 contains a tyrosine sulfation site, 3 potential N-myristoylation sites, multiple putative phosphorylation sites, and an RGD cell-attachment sequence. IL32 is a predominantly intracellular proinflammatory cytokine produced by epithelial cells, monocytes, T-lymphocytes and natural killer cells, and is involved in inflammation and cancer development. IL32 is able to induce the release a variety of pro-inflammatory cytokines such as IL8, tumor necrosis factor- α (TNF α) and IL6. Expression of this protein is increased after the activation of T-cells by mitogens or the activation of NK cells by IL-2.

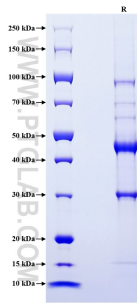
References

1. Dahl, C A et al. Journal of immunology (Baltimore, Md. : 1950) vol. 148,2 (1992): 597-603.
2. Kim, Soo-Hyun et al. Immunity vol. 22,1 (2005): 131-42.
3. Shoda, Hirofumi et al. Arthritis research & therapy vol. 8,6 (2006): R166.

Synonyms

IL32, IL 32, interleukin 32, interleukin32, Interleukin-32

Selected Validation Data



Purity of Recombinant Human IL-32 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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