

RMCH037

Recombinant IL-32 alpha (Interleukin-32 alpha), Human, AF



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5ug;20ug;100ug;500ug;

Synonym/Alternative name(s):

IL-32alpha, IL-32beta, IL-32delta, IL-32gamma, NK4, TAIF, TAIFa, TAIFb, TAIFc, TAIFd

Activity:

Measure by its ability to induce TNF alpha secretion in RAW264.7 cells.

The ED50 for this effect is <10 µg/mL.

Protein Description:

Interleukin-32α (IL-32 α) is one of approximately 6 splice variants of a gene cloned from the human lung carcinoma stable transfectant, A549-Rβ. IL-32 α has been shown to induce IL-8, TNF-α, and MIP-2 production from human & mouse macrophage cell lines. It is up-regulated in activated T- & NK-cells, and IFN-g-treated epithelial cells.

Protein Accession : P24001.3

Gene ID : 9235

Expression Sequence:

MCFPKVLSDDMKKLMKARMHQAIERFYDKMQNAESGRGQVMSSLALEDDFKEGYLETVAAYYEEQHPLETPLEKERDGLRCRGNRS
PVPDVEDPATEEPGESFCDKSYGAPRGDKKEELTPQKCSEPPQSSK with polyhistidine tag at the C-terminus .

Fusion tag : His-tag?at?the?C-terminus

Species : Human

Reactivity : Human

Expression Host : Escherichia coli

Source : E. coli

Purity/method:

>98% as determined by SDS-PAGE. Ni-NTA chromatography

Endotoxin level:

<0.1 EU per 1 µg of the protein by the LAL method.

Calculated Molecular Weight : 15.72 kDa

Formulation:

The protein was lyophilized from a solution containing 1X PBS, pH 8.0.

Reconstitution:

It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping : Blue Ice

Stability and Storage:

Lyophilized protein should be stored at -20°C for 1 year.

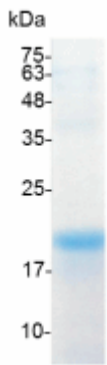
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category : Cytokines

Application : Cell culture, Elisa

Image:



SDS- PAGE analysis of recombinant human IL-32 alpha