

Recombinant Human IL-32 α

Catalog #:	4189-10	10 μ g
	4189-100	100 μ g
	4189-1000	1 mg

Lot #: _____

Description: Human IL-32 alpha is one of approximately 6 splice variants of a gene cloned from the human lung carcinoma stable transfectant, A549-Rbeta. IL-32 alpha 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- γ -treated epithelial cells. Human recombinant IL-32 alpha produced in E. coli is a 131 amino acid non-glycosylated polypeptide with a molecular mass of 14.9 kDa.

Physical Appearance: Sterile Filtered white lyophilized (freeze-dried) powder.

Source: E.coli

Formulation: Lyophilized from 50 mM NaP, pH 7.5.

Reconstitution: It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg's/ml, which can be further diluted into other aqueous solutions.

Stability: Lyophilized product is very stable at -20 degrees. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

Purity: Greater than 97% as determined by reducing and non-reducing SDS-PAGE.

Endotoxin Level: Endotoxin level is <0.01 ng/ μ g or <0.1 EU/ μ g.

Protein Content: Determined by UV spectroscopy at 280 nm.
Quantitation on SDS-PAGE against a known standard.

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.

AA Sequence: MCFPKVLSDD MKKLKARMHQ AIERFYDKMQ NAESGRGQVM SSLAELEDDF KEGYLETVAA
YYEEQHPELT PLLEKERDGL RCRGNRSPVP DVEDPATEEP GESFCDKSYG APRGDKEELT
PQKCSEPPQSS K

FOR RESEARCH USE ONLY! Not to be used in humans.