



Recombinant Human IL-29
(Interleukin-29)

Catalog Number: 100-169
Accession Number: Q81U54

Specifications and Uses:

Alternate Names: IFN γ 1, Type III interferon

Description:

Interleukin 29 (IL-29), also known as IFN λ 1, is a type III interferon produced by virally infected cells. It is thought to play an important role in host defenses against multiple microbes and shares homology with IL-28. Recombinant human IL-29 is a non-glycosylated protein, containing 179 amino acids, with a molecular weight of 19.9 kDa.

Source: *E.coli*

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

Formulation and Stability:

Recombinant human IL-29 is lyophilized with no additives.

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

Reconstitution:

Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.

Protein Content and Purity (typically \geq 95%) determined by:

Reducing and Non-reducing SDS-PAGE, UV spectroscopy at 280 nm

Endotoxin Level:

Measured by kinetic LAL analysis and is typically \leq 1 EU/ μ g protein.

Biological Activity:

The activity is determined by an anti-viral assay of EMC infected HepG2 cells and is typically 1-5 ng/mL.

AA Sequence:

MPTSKPTTTG KGCHIGRFKS LSPQELASFK KARDALEESL KLKNWSCSSP VFPGNWDLRL LQVRERPVAL
EAELALTLKV LEAAAGPALE DVLDQPLHTL HHILSQLQAC IQPQPTAGPR PRGRLHHLWLH RLQEAPKKES
AGCLEASVTF NLFRLLTRDL KYVADGNLCL RTSTHPEST

THIS PRODUCT IS FOR RESEARCH USE ONLY AND IS NOT FOR USE IN HUMANS!

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