

GFH169 Recombinant Human IL-29

Description

Interleukin-29 (IL-29), also known as IFN-lambda 1, is a type III interferon produced by virally infected cells. IL-29 plays an important role in host defenses against microbes and antiviral activity. IL-29 shares homology with interleukin-28 (IL-28) and binds the class II cytokine receptor IL-28R.

| | |
|-------------------------|---|
| Length | 179 aa |
| Molecular Weight | 19.9 kDa |
| Source | E. coli |
| Accession Number | Q8IU54 |
| Purity | ≥95% determined by reducing and non-reducing SDS-PAGE |

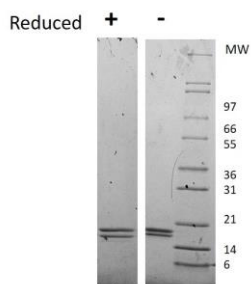
Specifications

| | |
|----------------------------|--|
| Alternative Names | IFN-lambda 1, Type III interferon, interleukin-29, interleukin 29, IL29, IL 29 |
| Biological Activity | Activity to be determined. |
| Endotoxin Level | ≤1.00 EU/μg as measured by kinetic LAL |
| Formulation | Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA) |
| AA Sequence | MPTSKPTTTG KGCHIGRFKS LSPQELASFK KARDALEESL KLKNWSCSSP VFPGNWDLRL LQVRERPVAL EAELALTLKV LEAAAGPALE DVLQPLHTL HHILSQLQAC IQPQPTAGPR PRGRLHHWLH RLQEAPKES AGCLEASVTF NLFRLLTRDL KYVADGNLCL RTSTHPEST |

Preparation and 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 0.1 mg/ml, which can be further diluted into other aqueous solutions. |
| Stability and Storage | 12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed. |

Data



Non-reducing (-) and reducing (+) conditions in a 4 - 20% Tris-Glycine gel stained with Coomassie Blue. 1 μg of protein was loaded in each lane.
Human IL-29 has a predicted Mw of 19.9 kDa.