

HumanKine[®] IL-28A (Recombinant Human)



| | | | |
|-----------------------|----------------------|----------|----------------|
| Animal Component-Free | Human cell expressed | Tag-Free | Endotoxin Free |
|-----------------------|----------------------|----------|----------------|

Product Description

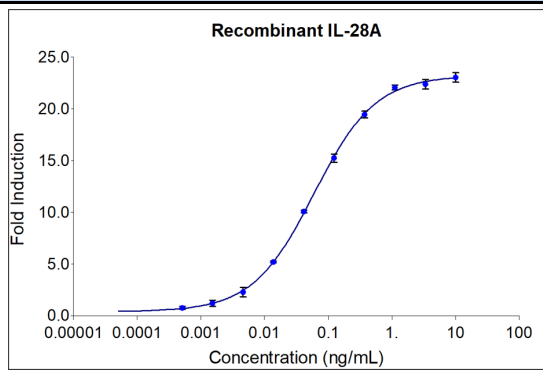
Animal-free Recombinant Human IL-28A (IFN lambda 2) is expressed in human 293 cells with an apparent molecular mass of 24 kDa. This cytokine is produced in a serum-free, chemically defined media. Production in human 293 cells offers authentic human post-translational modification which contributes to stability in cell growth media and other applications. The purity is greater than 95%.

| | |
|-------------------|--|
| Alternative Names | Cytokine Zcyto20, IFN lambda 2, IFNL2, IL 28A, IL28, IL-28, IL28A, IL-28A, Interferon lambda 2, Interleukin 28A, ZCYTO20 |
| Source | Human Embryonic Kidney cells (HEK293). HEK293-derived IL-28A protein |

Specifications

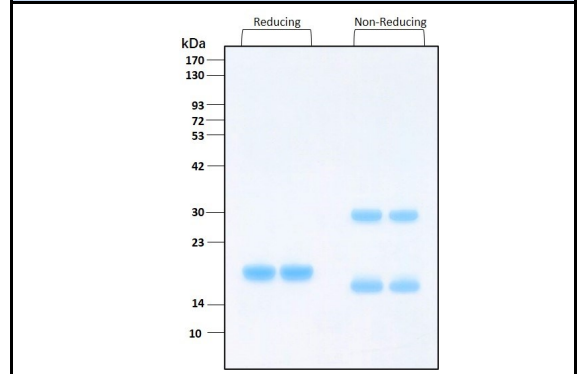
| Test | Method | Specification |
|----------------|---|-----------------------------------|
| Activity | Dose-dependent induction of alkaline phosphatase production in a HEK293 reporter cell line. | 0.01-0.06 ng/mL |
| Molecular Mass | SDS-PAGE | 24 kDa, monomer, non-glycosylated |
| Purity | SDS-PAGE | >95% |
| Endotoxin | LAL | <1 EU/μg |

Activity Data



Recombinant human IL-28A (HZ-1235) stimulates dose-dependent induction of alkaline phosphatase production in a HEK293 reporter cell line. Alkaline phosphatase production was assessed using pNPP as a chromogenic substrate. The EC₅₀ was determined using a 4-parameter non-linear regression model. The EC₅₀ values range from 0.01-0.06 ng/mL.

SDS-PAGE



| Preparation | |
|----------------------|--|
| Shipping Temperature | ambient temperature |
| Formulation | 1x PBS, See Certificate of Analysis for details |
| Reconstitution | Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA). |

| Stability and Storage | Product Form | Temperature Conditions | Storage Time (From Date of Receipt) |
|------------------------------------|---------------------------|------------------------|-------------------------------------|
| | Lyophilized | -20°C to -80°C | Until Expiry Date |
| | Lyophilized | Room Temperature | 2 weeks |
| | Reconstituted as per CofA | -20°C to -80°C | 6 months |
| | Reconstituted as per CofA | 4°C | 1 week |
| Avoid repeated freeze-thaw cycles. | | | |

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