

HumanKine[®] IL-22 (Recombinant Human)



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

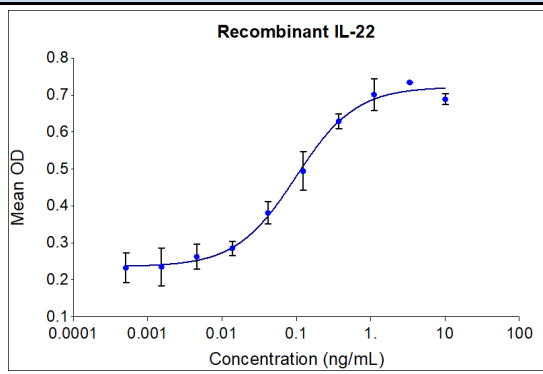
Product Description

| | |
|--------------------|---|
| Alternative Names | IL-TIF, cytokine ZCYTO18 |
| Source | Human Embryonic Kidney cells (HEK293), HEK293-derived IL-22 protein |
| Species Reactivity | human |

Specifications

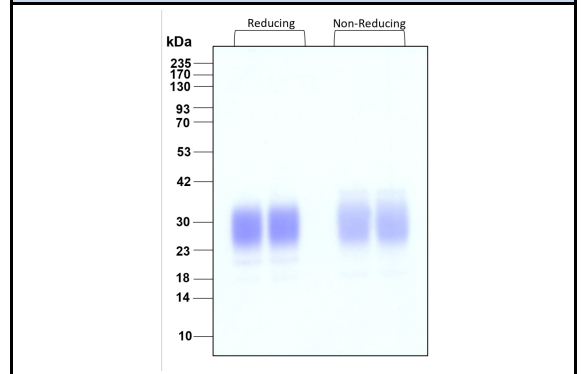
| Test | Method | Specification |
|----------------|---|--|
| Activity | Dose-dependent release of IL-10 from the Colo 205 (Human Colon Cancer) cell line. | 0.045-0.225 ng/mL EC50 |
| Molecular Mass | SDS-PAGE | 25-40 kDa reduced and non-reduced, dimer, glycosylated |
| Purity | SDS-PAGE | > 95% |
| Endotoxin | LAL | <1.0 EU/μg |

Activity Data



Recombinant human IL-22 (Cat no: HZ-1325) induces dose-dependent release of IL-10 in the Colo 205 human cell line. Colo 205 cells were treated with increasing concentration of recombinant IL-22 for 24 hours before supernatant collection. The supernatant was tested for IL-10 via ELISA kit. The EC50 was determined using a 4-parameter non-linear regression model. The EC50

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 pH 7.4 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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Proteintech Group, Inc.
5500 Pearl Street, Suite 400 Rosemont, IL 60612
t: 1-888-478-4522; f: 1-312-455-8408
Email: proteintech@ptglab.com