

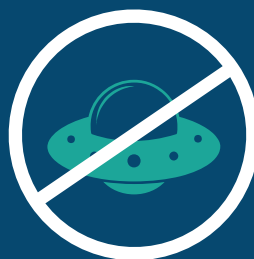


Why you should give a “HEK”: The Humankine® Advantage

Our human expression systems ensures that proteins have native conformation and post-translational modifications to optimize biological activity. No expression tags, xeno-free...just high-quality proteins!



Animal-Component-Free



Xeno-Free



Endotoxin-Free



Tag-Free



Carrier-Free

All Humankine® Proteins are produced at Proteintech’s in-house GMP laboratory adhering to strict quality control regulations. All Humankine® products can be seamlessly transitioned from research grade (RUO) to GMP.

Seamless Transition from RUO to GMP-grade Cytokines with Guaranteed Quality at Every Step

| Quality Attributes | PTG RUO Grade | PTG GMP Grade |
|--|---------------|---------------|
| Quality Management System: Manufactured, tested, released & distributed under ISO 13485:2016 | Yes | Yes |
| Adherence to GMP guidelines | No | Yes |
| MCB/WCB fully characterized | Yes | Yes |
| Procedure (SOP) oriented and Batch documentation | Yes | Yes |
| Process validation by 3 consistency batches | No | Yes |
| Validation of all analytical methods | No | Yes |
| Mycoplasma testing | No | Yes |
| Purity (≥ 95%) | Yes | Yes |
| Endotoxin testing | <1.0 EU/ug | <0.1 EU/ug |
| Validation of shelf life by accelerated and real time testing | Yes | Yes |
| Identity of product confirmed | Yes | Yes |
| Supplier and raw material control | No | Yes |
| Lot specific activity on CoA | Yes | Yes |
| On-site customer audits | Yes | Yes |
| Regulatory compliance: USP <1043>, Ph. Eur. 5.2.12 | No | Yes |

