

Cytokines & Growth Factors

From research to GMP manufacturing in the CGT market

Preserving the promise™



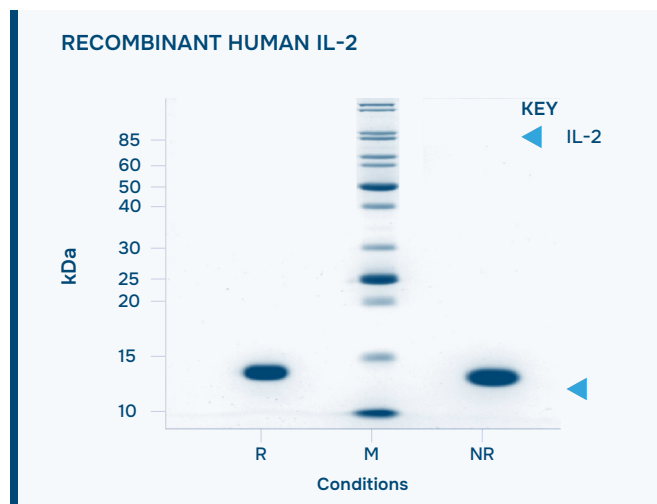
Expanding on our foundational CGT media component human platelet lysate (hPL) portfolio, BioLife Solutions now offers a growing family of enhanced quality recombinant proteins to support your cell therapy and organoid workflows.

Cytokines & Growth Factors (IL-2/IL-7/IL-15/FGF-2)

- High-purity, animal origin-free cytokines and growth factors with guaranteed bioactivity.
- Designed to enable reproducible results in cell and gene therapy applications.

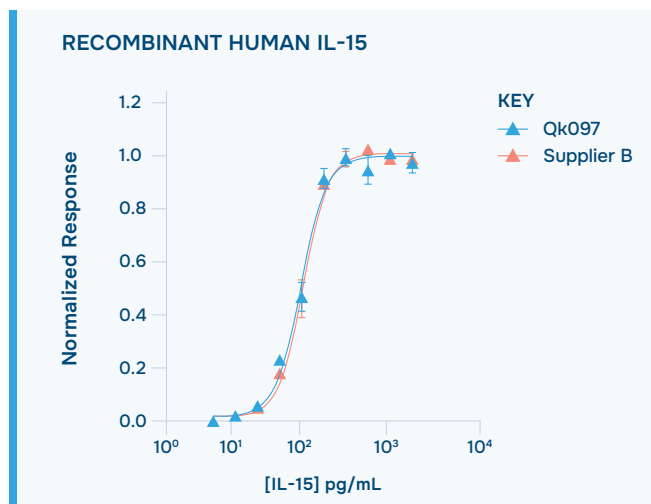
› Our recombinant proteins are rigorously tested for high purity.

Recombinant human IL-2 protein (3 µg) was resolved using 15% w/v SDS-PAGE in reduced and non-reduced (NR) conditions and stained with Coomassie Brilliant Blue R250. No contaminating protein bands were identified.



› Cytokines and growth factors that exhibit high bioactivity. Guaranteed.

Recombinant human IL-15 activity was determined using the Promega IL-15 Bioassay Kit (JA2011). Cells were treated in triplicate with serial dilutions of BioLife Solutions IL-15 (blue) or supplier B IL-15 (orange) for 6 hours.



GUARANTEED BIOACTIVITY

Every lot undergoes quantitative bioactivity analysis ensuring integrated lot-to-lot reproducibility.

ANIMAL ORIGIN-FREE DESIGN

Full certification and traceability align raw material strategy with advanced therapeutic and regulatory needs.

BUILT FOR CELL & GENE THERAPY WORKFLOWS

Leverage across PSC, immunotherapy, and organoid applications. Enables precision maintenance, expansion, differentiation, and activation.

HIGH PURITY, HIGH RECOVERY

Ultra-low endotoxin, sterile and mycoplasma-free, and protein recovery of 95-115%.

➤ Solutions Across the Cell and Gene Therapy Continuum

		IL-2	IL-7	IL-15	FGF-2 (145aa)
Core Tx Modality	Hematopoietic & Immune	Expansion + activation	Survival + memory	Function + durability	Stromal/niche contexts)
	PSC-derived	Terminal activation + expansion	Early immune differentiation	Immune maturation + persistence	PSC maintenance + expansion
	Tissue-specific/ Regenerative Medicine	Activation (specialized/ engineered)	Survival (immune-interactive systems)	Durability (engineered immune systems)	Expansion + phenotype stability
	Cell Types, Models	Activated T cells (CD4+, CD8+) NK cells Organoids	Naïve T cells Central memory T cells Lymphoid progenitors Organoids	Memory CD8+ T cells NK cells NKT cells Organoids	MSCs iPSCs/ESCs NSCs Organoids

	IL-2		IL-7		IL-15		FGF-2 (145aa)	
Part Number	Qk089	Qk089-CTG	Qk095	Qk095-CTG	Qk097	Qk097-CTG	Qk025	Qk025-CTG
Product Options	50 µg 100 µg 500 µg	500 µg	25 µg 50 µg 100 µg 500 µg	500 µg	25 µg 50 µg 100 µg 500 µg	500 µg	50 µg 100 µg 500 µg	500 µg

- Manufactured under a certified ISO 9001:2015 Quality Management System
- Comprehensive identity analysis for structurally complex bioactive proteins
- Protein quality by design



CAR-T CELLS



PERIPHERAL
BLOOD STEM
CELLS



MESENCHYMAL
STEM CELLS



**Need support selecting
cytokines or growth factors
for a specific workflow?**

Scan the QR code to contact
BioLife Solutions for product
guidance, technical discussion,
and supply planning support.

