

Catalog number GF-IL7-HU

Recombinant Human IL-7 (152 aa)

Carrier-free recombinant human IL-7, E. coli-expressed, $\geq 97\%$ pure with endotoxin below 0.1 EU/ μg . A lymphopoietic cytokine required for human T-cell development and memory T-cell survival, and for B-lymphopoiesis in mouse.

Specification

Species	Human
Expressed in	E. coli BL21(DE3)
UniProt	P13232
Accession	NP_000871.1
Residue range	Asp26-His177 (152 aa mature)
Molecular weight	17.4 kDa (SDS-PAGE)
Purity	$\geq 97\%$ (SDS-PAGE & RP-HPLC)
Endotoxin	≤ 0.1 EU/ μg (LAL)
Bioactivity	ED50 0.5-2.5 ng/mL, PHA-activated human peripheral blood lymphoblast proliferation
Carrier	carrier-free
Formulation	Sterile-filtered solution in PBS, pH 7.4. Supplied frozen; carrier-free (a 0.1% BSA carrier option is also available).
Reconstitution	Supplied ready to use, no reconstitution required. Thaw on ice, mix gently, and dilute into your assay buffer or medium.
Storage	-80 °C. Aliquot on receipt to avoid repeated freeze/thaw.
Stability	12 mo at -80 °C; 1 wk at 2-8 °C once thawed. Do not refreeze.
Grade	Research use only

Ordering

Catalog no.	Pack	List price	Availability
GF-IL7-HU-10UG	10 μg	\$46	Waitlist
GF-IL7-HU-50UG	50 μg	\$145	Waitlist

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GF - IL7 - HU - 100UG	100 µg	\$240	Waitlist
GF - IL7 - HU - 1MG	1 mg	\$1,260	Waitlist

Storage and shipping

Cold chain	Frozen, on dry ice. Declared UN1845, dangerous goods class 9.
Hazard classification	None
Certificate of Analysis	Issued per lot and shipped with the product. Any lot can be retrieved at bramantebio.com/support/coa/

Research use only

For research use only. Not for use in diagnostic or therapeutic procedures, and not for human or veterinary use. The purchaser is responsible for determining suitability for their application and for compliance with applicable biosafety and institutional requirements.