

HumanKine[®] recombinant human IL-15 protein



Animal Component-Free	Human cell expressed	Tag-Free	Endotoxin Free
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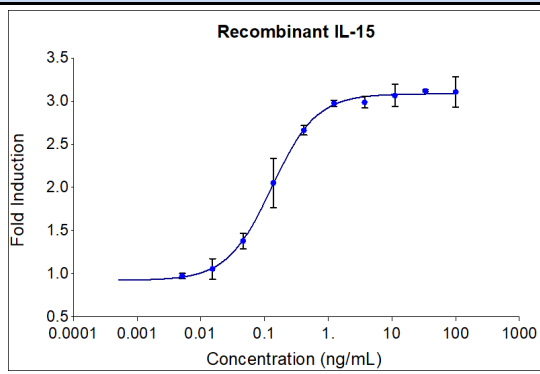
Product Description

Alternative Names	Interleukin 15, IL15, IL-15MGC9721, Interleukin-15, IL-15
Source	Human Embryonic Kidney cells (HEK293), HEK293-derived IL-15 protein
Species Reactivity	human

Specifications

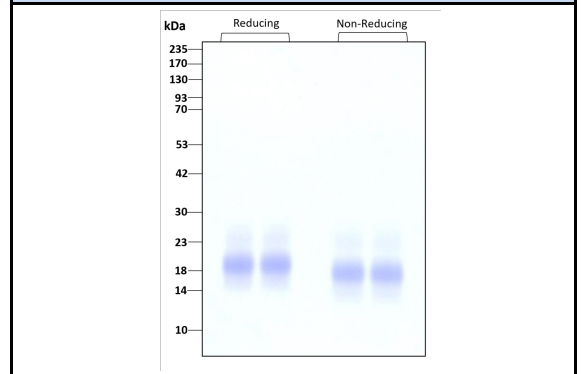
Test	Method	Specification
Activity	Dose-dependent induction of alkaline phosphatase production in a HEK293 reporter cell line	0.01-0.15 ng/mL in reporter assay
Molecular Mass	SDS-PAGE	12 to 24 kDa reduced, 11 to 23 kDa non-reduced, monomer, glycosylated
Purity	SDS-PAGE	>95%
Endotoxin	LAL	<1 EU/μg

Activity Data



Recombinant human IL-15 (Cat no: HZ-1323) stimulates dose-dependent proliferation of the NK-92 human natural killer cell line. Cell number was quantitatively assessed by PrestoBlue[®] Cell Viability Reagent. NK-92 cells were treated with increasing concentrations of recombinant IL-15 for 72 hours. The EC₅₀ was determined using a 4-parameter non-linear

SDS-PAGE



Preparation	
Shipping Temperature	ambient temperature
Formulation	50 mM Acetate pH 4.0 + 150mM NaCl
Reconstitution	Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein to 0.2 mg/mL in sterile 1x PBS pH 7.4 containing 0.1% endotoxin-free recombinant human serum albumin (HSA). Gently swirl or tap vial to mix.

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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Document #: FR-QA118-101 Rev 0
Data Sheet Version #:

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