

Active Recombinant Human IL15 Protein, His-tagged

Cat. No. IL15-004H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human IL-15 protein (49-162 aa), fused to His-tag was expressed in E.coli and purified by using conventional chromatography after refolding of the isolated inclusion bodies in a redox buffer
Species	Human
Source	E.coli
ProteinLength	49-162 a.a.
Description	Interleukin (IL)-15 is a pleiotropic cytokine that plays a pivotal role in both innate and adaptive immunity. IL-15 is unique among cytokines due to its participation in a trans signaling mechanism in which IL-15 receptor alpha (IL-15R alpha) from one subset of cells presents IL-15 to neighboring IL-2R beta/gamma(c)-expressing cells. This newly discovered cytokine is produced by a wide variety of cells and tissues and like IL-2, stimulates the proliferation of T-lymphocytes and induces the generation of cytotoxic T-lymphocytes (CTLs) and lymphokine-activated killer (LAK) cells.
Form	Liquid
Bio-activity	Measured in a cell proliferation assay using CTLL-2 mouse cytotoxic T cells. The ED50 for this effect is less or equal to 1 ng/mL.
Molecular Mass	13.9 kDa (123aa) confirmed by MALDI-TOF

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AA Sequence	MNWWNVISDLKKIEDLIQSMHIDATLYTESDVHPSCKVTAMKCFLLELQVISLESGDA SIHDTVENLIILANNSLSSNGNVTESGCKECEELEEKNIKEFLQSFVHIVQMFINTSLEH HHHHH
Endotoxin	< 1.0 EU per 1µg of protein (determined by LAL method)
Purity	> 95% by SDS-PAGE
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterin.
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/mL (determined by Bradford assay)
Storage Buffer	In Phosphate Buffer Saline(pH7.4) containing 10% glycerol.

GENE INFORMATION

Gene Name	IL15 interleukin 15 [Homo sapiens (human)]
Official Symbol	IL15
Synonyms	Interleukin-15; IL-15; interleukin-15
Gene ID	3600
mRNA Refseq	NM_172175

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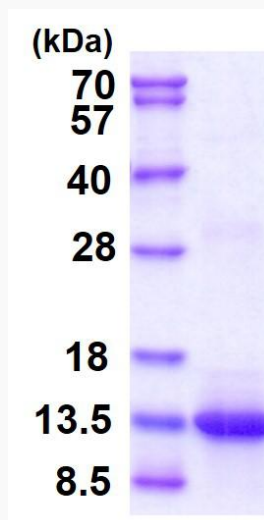
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Protein Refseq NP_751914

MIM 600554

UniProt ID P40933

SDS-PAGE



15% SDS-PAGE (3μg)

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