Active Recombinant Human Il15, HIgG1 Fc-tagged, mutant

Cat. No. Il15-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of human IL-15 (NP_751914.1)(Asn49-Ser162) including mutations at Q149D and Q156D is fused to the N-terminus of the Fc region of mutant human IgG1was expressed in CHO cell.
Species	Human
Source	CHO
ProteinLength	49-162 a.a.
Description	IL15 (interleukin 15) is a protein-coding gene, and is affiliated with the lncRNA class. Diseases associated with IL15 include gamma chain deficiency, and rasmussen encephalitis, and among its related super-pathways are MIF Mediated Glucocorticoid Regulation and Regulation of eIF4 and p70S6K. GO annotations related to this gene include cytokine receptor binding and cytokine activity.
Form	Lyophilized from 0.2μm-filtered solution in PBS.
Bio-activity	Measured in a cell proliferation assay.
Molecular Mass	39KDa (monomer)
AA Sequence	Asn49-Ser162 including mutations at Q149D and Q156D
Endotoxin	<0.06 eu/μg="" as="" determined="" by="" lal="" test.="">

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Purity	>98%, by SDS-PAGE under reducing conditions.
Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
Reconstitution	Reconstitute at 100μg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	IL15 interleukin 15 [Homo sapiens]
Official Symbol	IL15
Synonyms	IL15; interleukin 15; interleukin-15; IL 15; MGC9721; IL-15;
Gene ID	3600
mRNA Refseq	NM_000585
Protein Refseq	NP_000576
MIM	600554
UniProt ID	P40933
Chromosome Location	4q31
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Cytokines and Inflammatory

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	Response, organism-specific biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem;
Function	cytokine activity; cytokine receptor binding; protein binding;

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