

# Recombinant Human IL15 Protein, C-Myc/DDK-tagged

## Product Information

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| <b>Cat</b>               | IMP-6886   |
| <b>Official Symbol</b>   | IL15   |
| <b>Product Overview</b>  | Recombinant protein of human interleukin 15 (IL15), transcript variant 1 with a C-Myc/DDK tag was expressed in HEK293T.  |
| <b>Description</b>       | <p>The protein encoded by this gene is a cytokine that regulates T and natural killer cell activation and proliferation. This cytokine and interleukine 2 share many biological activities. They are found to bind common hematopoietin receptor subunits, and may compete for the same receptor, and thus negatively regulate each other's activity. The number of CD8+ memory cells is shown to be controlled by a balance between this cytokine and IL2. This cytokine induces the activation of JAK kinases, as well as the phosphorylation and activation of transcription activators STAT3, STAT5, and STAT6. Studies of the mouse counterpart suggested that this cytokine may increase the expression of apoptosis inhibitor BCL2L1/BCL-x(L), possibly through the transcription activation activity of STAT6, and thus prevent apoptosis. Alternatively spliced transcript variants of this gene have been reported. [provided by RefSeq, Feb 2011]</p> |
| <b>Expression System</b> | HEK293T  |
| <b>Species</b>           | Human  |
| <b>Tag</b>               | C-Myc/DDK  |
| <b>Form</b>              | 25mM Tris.HCl, pH 7.3, 100mM glycine, 10% glycerol   |
| <b>Molecular Mass</b>    | 14.7 kDa   |
| <b>AA Sequence</b>       | MRISKPHLRISISIQCYLCLLLNSHFLTEAGIHVFILGCF SAGLPKTEANWVN<br>VISDLKKIEDLIQSMHIDATLYTESDVHP SCKVTAMKCF LLELQVISLES GD<br>ASIHDTVENLILANNSLSSNGNVTESGCKECEE ELEEKNIKEFLQSFVHIVQ<br>MFINTSTRTRPLEQKLISEEDLAANDILDYKDDDDKV  |
| <b>Purity</b>            | > 80% as determined by SDS-PAGE and Coomassie blue staining.   |
| <b>Storage</b>           | Store at -80 centigrade. Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  |
| <b>Concentration</b>     | > 50 µg/mL as determined by microplate BCA method.   |
| <b>SDS-PAGE</b>          |  |

