

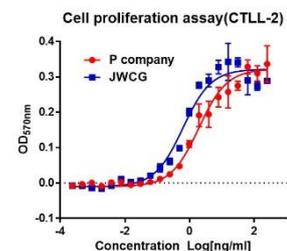
## DATA SHEET

### Product Information

<b>Product Name</b>	: <b>Recombinant Mouse Interleukin 2 (rmIL-2)</b>
<b>Synonyms</b>	: IL2, TCGF, lymphokine, interleukin 2
<b>Description</b>	: Interleukin-2 (IL-2) is an interleukin, a type of cytokine signaling molecule in the immune system. It is a protein that regulates the activities of white blood cells that are responsible for immunity. In the thymus, where T cells mature, it prevents autoimmune diseases by promoting the differentiation of certain immature T cells into regulatory T cells, which suppress other T cells that are otherwise primed to attack normal healthy cells in the body. IL-2 also promotes the differentiation of T cells into effector T cells and into memory T cells when the initial T cell is also stimulated by an antigen, thus helping the body fight off infections. (Ref. From Wikipedia)
<b>NCBI Accession No.</b>	: NM_008366.3
<b>Amino acid sequence</b>	: MAPTSSSTSSSTAEAAQQQQQQQQQQQQHLEQLLMDLQELLSRMENYRNKLP RMLTFKFFYLPKQATELKDLCLEDELGPLRHVLDLTSKSFQLEDAENFISN IRVTVVKLGSDNTFECQFDDESATVVDFLRRWIAFCQSIISTSPQ
<b>Molecular Mass</b>	: 17.3 kDa (150 a.a)
<b>Protein Tags</b>	: No tagging
<b>Source</b>	: <i>E. coli</i> .
<b>Cat. No.</b>	: JW-M009-0010, JW-M009-0025, JW-M009-0100, JW-M009-0250, JW-M009-0500, JW-M009-1000
<b>Storage</b>	: Should be at $\leq -70$ °C as undiluted aliquots of handy size. Avoid repeated freezing and thawing.
<b>Cross Reactivity</b>	: Human

### Quality Control

Test items	Specifications
<b>Appearance</b>	: Clear, colorless liquid
<b>Purity</b>	: Greater than 98 % by RP-HPLC and SDS-PAGE
<b>Specificity</b>	: Using Western blot, detection
<b>Concentration</b>	: 0.1 mg/ml, Bradford method Determined by proliferation of CTLL-2 indicator cells.
<b>Biological Activity</b>	: The ED50 is $\leq 0.2$ ng/ml, corresponding to a specific activity of $\geq 5 \times 10^6$ EU/mg
<b>Endotoxin</b>	: Less than 0.1 EU/ $\mu$ g as determined by the LAL method
<b>Formulation</b>	: PBS, 5% Glycerol (pH 7.4) without preservative or carrier proteins.
<b>Stability</b>	: Stable for up to 12 months at $-70$ °C. Stable for a month at 4 °C.
<b>Sterility</b>	: Sterilized through a 0.2 $\mu$ m membrane filter and packaged aseptically. Culture for 2 weeks, no growth



**Manufacturer** : **JW CreaGene Inc.**  
 FL2, Jungang induspia V, 138-6, Sangdaewon-dong, Jungwon-gu, Seongnam-si,  
 Gyeonggi-do, South Korea (462-120)  
 Tel: 82-31-737-3310, Fax: 82-31-737-3301