



# Recombinant Macaca mulatta (Rhesus macaque) Interleukin-2 (IL2)

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| <b>Product Code</b>      | CSB-EP011629MOW-B   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | P68291  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Macaca mulatta (Rhesus macaque)   |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | APTSSTKKT QLQLEHLLLD LQMILNGINN YKNPKLTRML TFKFYMPKKA<br>TELKHLQCLE EELKPLEEVN NLAQSKNFHL RDTKDLISNI NVIVLELKGS<br>ETTLMCEYAD ETATIVEFLN RWITFCQSII STL   |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | IL2   |
| <b>Protein Names</b>     | Recommended name: Interleukin-2 Short name= IL-2 Alternative name(s): T-cell growth factor Short name= TCGF   |
| <b>Expression Region</b> | 21-154  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Full Length of Mature Protein   |
| <b>Target Details</b>    | This protein is a secreted cytokine that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL4) and interleukin 7 (IL7). The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.   |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.   |