

## Certificate of Analysis

**Product Description:** Interleukin 2, Human, Recombinant, ultrapure grade  
**Catalog Number:** 153896  
**Lot:** S7028

**Formula:** N/A  
**CAS #:** N/A  
**Physical Description:** Frozen Liquid

**Formula Weight:** 17 kDa  
**Storage:** -20°C, desiccate

Test	Specification	Result
Identity Test	Passes	Passes
Expressed in	<i>E. coli</i>	<i>E. coli</i>
Purity	≥95%	≥96% (SDS-PAGE)
Activity	≥5 × 10 <sup>6</sup> u/mg	>1 × 10 <sup>7</sup> u/mg protein
Endotoxin	Report Result	0.09 units/mL

Reconstitute in 100 mM acetic acid to 0.1-1.0mg/ml to regain full activity. Apportion into aliquots and store at -20°C.

Further dilutions should be made in culture media or buffered solutions containing carrier protein (i.e. PBS with 0.1% BSA).

Formulation: Phosphate buffer containing sucrose and 0.4% HSA.

Reconstitution and Use: It is recommended to use 10 BRMP units per milliliter as a starting point to titrate the optimal concentration for your system. If material is not used all at once, dispense into appropriate aliquots upon the first thaw and freeze at -70°C.

Quality Control: IL-2 is a membrane-filtered (0.2 micron) preparation. It has been tested and found negative for the presence of bacteria, fungi and mycoplasma.

Storage: Stable when stored at -70°C. Avoid multiple freeze-thaw cycles.

Handle in accordance with good industrial hygiene and laboratory safety practices.

For research use only. Not to be used for any in vivo or in vitro human clinical therapeutic or diagnostic purpose.

Recommended Retest Date (MM/DD/YYYY): 09/26/2023



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