

# Product Datasheet

## Recombinant Mouse IL-2 Protein NBP2-35111-5ug

Unit Size: 5ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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### Publications: 1

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**NBP2-35111-5ug**

Recombinant Mouse IL-2 Protein

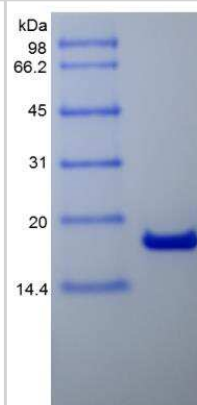
Product Information	
Unit Size	5ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
Purity	>95%, by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered solution in PBS, pH 7.4.
Target Molecular Weight	17.2 kDa

Product Description	
Description	A single non-glycosylated polypeptide chain containing 149 amino acids corresponding to IL-2 <b>Source:</b> <i>E. coli</i>  <b>Uniprot ID:</b> <i>P04351</i>  <b>Amino Acid Sequence:</b> <i>APTSSSTSSS TAEAQQQQQQ QQQQQQHLEQ LLMDLQELLS RMENYRNLKL PRMLTFKFYL PKQATELKDL QCLEDELGPL RHVLDLTQSK SFQLEDAENF ISNIRVTVVK LKGSNTFEC QFDDESATVV DFLRRWIAFC QSIISTSPQ</i>
Gene ID	3558
Gene Symbol	IL2
Species	Mouse
Details of Functionality	IL2 Protein is Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine CTLL-2 cells is less than 0.2 ng/ml, corresponding to a specific activity of > 5.0 x 10 <sup>6</sup> IU/mg.
Endotoxin Note	Less than 1 EU/ug of IL-2 as determined by LAL method.

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity

**Images**

SDS-Page: Mouse IL-2 Protein [NBP2-35111]



## Publications

Dou D, Liang J, Zhai X et al. Oxytocin signalling in dendritic cells regulates immune tolerance in the intestine and alleviates DSS-induced colitis *Clinical science (London, England : 1979)* 2021-02-26 [PMID: 33564880]





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### **Products Related to NBP2-35111-5ug**

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NBP2-35054-10ug	Recombinant Human IL-2 Protein
210-TA-005	TNF-alpha [Unconjugated]
202-IL-010	IL-2 [Unconjugated]
M6000B-1	IL-6 [HRP]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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