## NKMAXBio We support you, we believe in your research

## Recombinant mouse IL-2 (C160S) protein

Catalog Number: ATGP2987

## **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

21-169aa

#### UniProt No.

P04351

## **NCBI Accession No.**

NP 032392

## **Alternative Names**

Interleukin-2, IL-2, T-cell growth factor, TCGF

## **Additional Information**

ILB0905 has been replaced with a catalog number ATGP2987.

## **PRODUCT SPECIFICATION**

## **Molecular Weight**

17.3 kDa (150aa) confirmed by MALDI-TOF

#### Concentration

0.5mg/ml (determined by BCA assay)

## **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) 10% glycerol

## **Purity**

> 90% by SDS-PAGE

## **Endotoxin level**

< 1 EU per 1ug of protein (determined by LAL method)

## **Biological Activity**

Measured in a cell proliferation assay using CTLL-2 mouse cytotoxic T cells. The ED50 range ≤0.9ng/ml.

## Tag

Non-Tagged

## **Application**

SDS-PAGE, Bioactivity

## **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.



## Recombinant mouse IL-2 (C160S) protein

Catalog Number: ATGP2987

## **BACKGROUND**

## **Description**

IL2 (Interleukin2), also known as T cell growth factor (TCGF), is an immunoregulatory lymphokine produced by T-cells in response to antigenic or mitogenic stimulation. IL2/IL-2R signaling is required for T-cell proliferation and other fundamental functions which are essential for the immune response. IL2 stimulates growth and differentiation of B-cells, NK cells, lymphokine activated killer cells, monocytes, macrophages and oligodendrocytes. Recombinant mouse IL2 was expressed in E. coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

## **Amino acid Sequence**

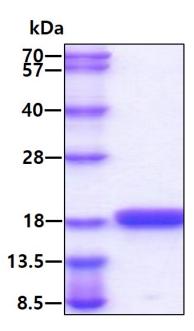
MAPTSSSTSS STAEAQQQQQ QQQQQQHLE QLLMDLQELL SRMENYRNLK LPRMLTFKFY LPKQATELKD LQCLEDELGP LRHVLDLTQS KSFQLEDAEN FISNIRVTVV KLKGSDNTFE COFDDESATV VDFLRRWIAF SQSIISTSPQ

## **General References**

Watson J., et al. (1980). Immunol Rev. 51:257-278. Taniguchi T., et al. (1983). Nature. 302: 305-310.

## **DATA**

## **SDS-PAGE**



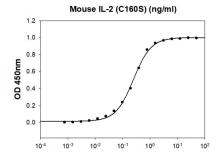
3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

**Biological Activity** 

# NKMAXBio We support you, we believe in your research

# Recombinant mouse IL-2 (C160S) protein

Catalog Number: ATGP2987



Mouse IL-2 (C160S) stimulates cell proliferation of the CTLL2 mouse cytotoxic T cells. The ED50 range  $\leq$  0.9 ng/ml.

