

## **Product datasheet for AR51807PU-S**

## OriGene Technologies, Inc.

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## Interleukin-2 / IL2 (21-169, His-tag) Human Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Interleukin-2 / IL2 (21-169, His-tag) human recombinant protein, 50 μg

Species: Human
Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

MAPTSSSTSS STAEAQQQQQ QQQQQQHLE QLLMDLQELL SRMENYRNLK LPRMLTFKFY

LPKQATELKD LQCLEDELGP LRHVLDLTQS KSFQLEDAEN FISNIRVTVV KLKGSDNTFE

CQFDDESATV VDFLRRWIAF SQSIISTSPQ

Tag: His-tag

Predicted MW: 17.3 kDa

Concentration: lot specific

Purity: >90% by SDS - PAGE

**Buffer:** Presentation State: Purified

State: Liquid purified protein

Buffer System: Phosphate Buffered Saline (pH 7.4)

**Bioactivity:** Specific: Measured in a cell proliferation assay using CTLL-2 mouse T lymphocyte. The ED50

for this effect is < 0.9 ng/ml.

Endotoxin: < 1.0 Eu per 1 microgram of protein (determined by LAL method)

**Preparation:** Liquid purified protein

**Protein Description:** Recombinant mouse IL2 was expressed in E.coli and purified by conventional

chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

**Stability:** Shelf life: one year from despatch.

**RefSeq:** NP 032392

 Locus ID:
 16183

 UniProt ID:
 P04351

 Cytogenetics:
 3 18.3 cM





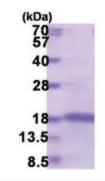
Synonyms:

II-2

**Summary:** 

Produced by T-cells in response to antigenic or mitogenic stimulation, this protein is required for T-cell proliferation and other activities crucial to regulation of the immune response. Can stimulate B-cells, monocytes, lymphokine-activated killer cells, natural killer cells, and glioma cells.[UniProtKB/Swiss-Prot Function]

## **Product images:**



15% SDS-PAGE (3ug)