

## Cytokines

### CHASELECTION IL-2 Pro

IL-2 with high solubility

#### Product Introduction

IL-2 Pro, a modified human interleukin 2, has a more significant solubility in water than wide-type hIL-2. In solubility test, IL-2 Pro is 20-fold concentration more than wt IL-2 in neutral pH solution.

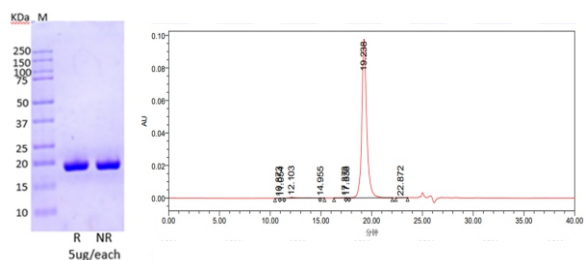
IL-2 Pro achieves high solubility on the basis of activity retention, and is more suitable to use in process and R&D development.

#### Product Advantages

- High purity, better specificity
- High solubility, better batch-to-batch stability
- Animal origin-free (AOF)
- GMP Grade available
- No SDS in purification process, less cell damage.

#### Test Data

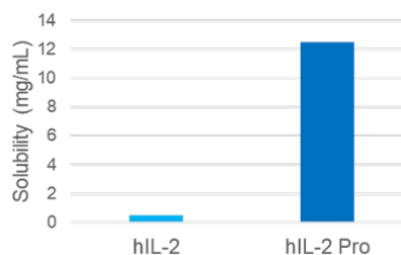
##### 1. SDS-PAGE and SEC-HPLC purity determination



IL-2 Pro SDS-PAGE (left) and SEC-HPLC (right) purity analysis

Non-reduced and reduced SDS-PAGE results showed that molecular weight of IL-2 Pro was about 17 kDa, and no protein impurity was detected (left); SEC-HPLC showed protein with high purity, and no aggregate formation (right).

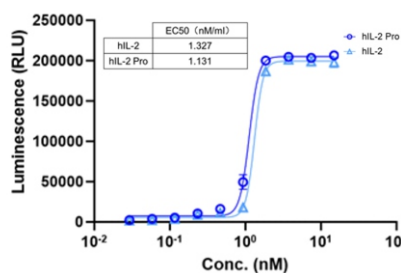
##### 2. Solubility determination



Solubility comparison of IL-2 Pro and IL-2

In PBS solution at pH 7.4, IL-2 Pro concentration reached 12.5 mg/ml, 25-fold more than that of wt IL-2.

##### 3. Activity comparison



Bioactivity Comparison of IL-2 Pro and IL-2 (tested by CTLL-2 cell)

The cell activity test of mouse T lymphocytes (CTLL-2) showed that the bioactivity of IL-2 Pro was the same as wt IL-2.

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