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Datasheet for ABIN7455672

IL-3 Protein (His tag)

3 Images

Overview

| | |
|-------------------------------|---|
| Quantity: | 50 µg |
| Target: | IL-3 |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This IL-3 protein is labelled with His tag. |

Product Details

| | |
|------------------|---|
| Purpose: | Recombinant Human Interleukin-3 is produced by our E.coli expression system and the target gene encoding Ala20-Phe152 is expressed with a 6His tag at the N-terminus. |
| Characteristics: | Extracellular Domain Protein |
| Purification: | Affinity purification |
| Purity: | Greater than 95 % as determined by reducing SDS-PAGE. |

Target Details

| | |
|-------------------|---|
| Target: | IL-3 |
| Alternative Name: | IL-3 (IL-3 Products) |
| Background: | Interleukin-3 (IL-3) is a potent growth promoting cytokine. IL-3 can stimulate the proliferation and differentiation of pluripotent hematopoietic stem cells as well as various lineage committed progenitors. IL-3 exerts its biological function through binding to specific cell surface receptors. The amino acid sequences of this protein among different species share |

Target Details

relatively low identity and its activity is highly species-specific. IL-3 has also been shown to possess neurotrophic activity, and is thought to be associated with neurologic disorders.

Molecular Weight: 16.6 KDa

UniProt: [P08700](#)

Pathways: [JAK-STAT Signaling](#), [Regulation of Carbohydrate Metabolic Process](#), [Autophagy](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

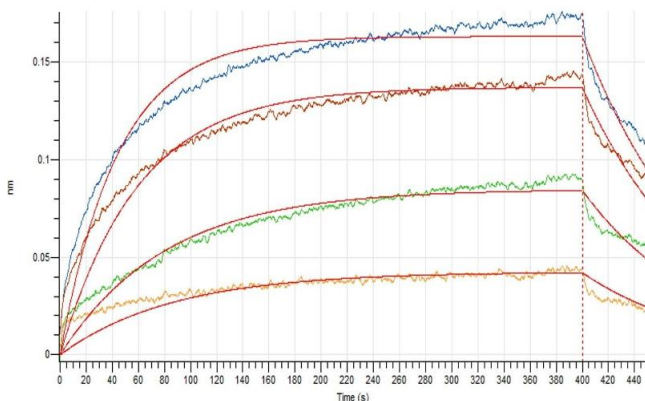
Storage: $-20\text{ }^{\circ}\text{C}$, $-80\text{ }^{\circ}\text{C}$

Storage Comment: Store at $-20\text{ }^{\circ}\text{C}$ to $-80\text{ }^{\circ}\text{C}$ for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at $-80\text{ }^{\circ}\text{C}$ (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient temperature.

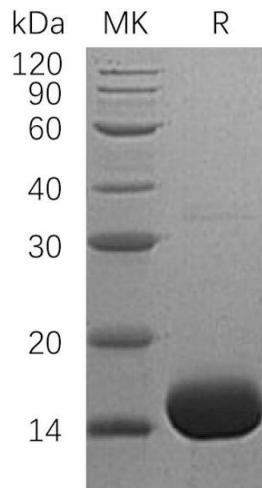
Expiry Date: 12 months

Images



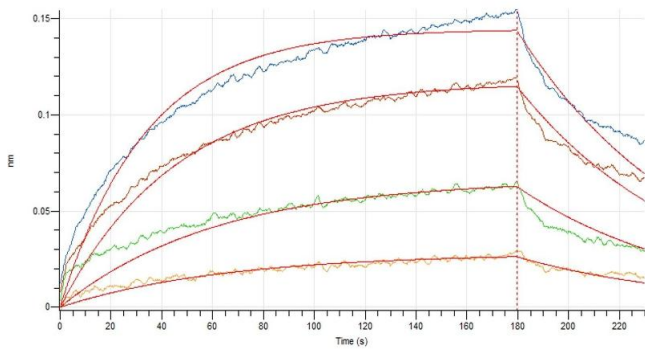
ELISA

Image 1. Loaded Human IL-3RA-Fc-Avi on Protein A Biosensor, can bind Human IL-3 with an affinity constant of $3.74\text{ }\mu\text{M}$ as determined in BLI assay.



SDS-PAGE

Image 2. Greater than 95 % as determined by reducing SDS-PAGE.



ELISA

Image 3. Loaded Human IL-3RA-Fc on Protein A Biosensor, can bind Human IL-3 with an affinity constant of 3.89uM as determined in BLI assay.