

Datasheet for ABIN7455647

IL-2 Protein (His tag)**4** Images[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	IL-2 (IL2)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Interleukin-2 Superkine is produced by our Mammalian expression system and the target gene encoding Ala21-Thr153 (L100F, R101D, L105V, I106V, I112F) is expressed with a 6His tag at the C-terminus.
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	Greater than 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	IL-2 (IL2)
Alternative Name:	IL-2 (IL2 Products)
Background:	Interleukin-2(IL-2) is an interleukin, a type of cytokine signaling molecule in the immune system, belongs to the IL-2 family. It is a powerful immunoregulatory lymphokine produced by T-cells in response to antigenic or mitogenic stimulation. IL-2/IL-2R signaling is required for T-cell

Target Details

proliferation and other fundamental functions that are essential for the immune response. IL-2 stimulates growth and differentiation of B-cells, NK cells, lymphokine-activated killer cells, monocytes, macrophages and oligodendrocytes. New research has shown that IL-2 mutant reduced toxicity while being more potent at stimulating anti-tumor effector immune cells.

Molecular Weight: 16.5 KDa

UniProt: [P60568](#)

Pathways: [JAK-STAT Signaling](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Activated T Cell Proliferation](#)

Application Details

Restrictions: For Research Use only

Handling

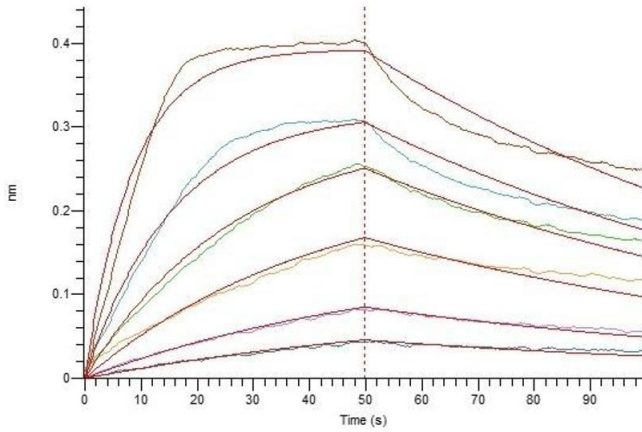
Format: Lyophilized

Buffer: Lyophilized from a 0.2 µm filtered solution of 4 mM HCl.

Storage: -20 °C, -80 °C

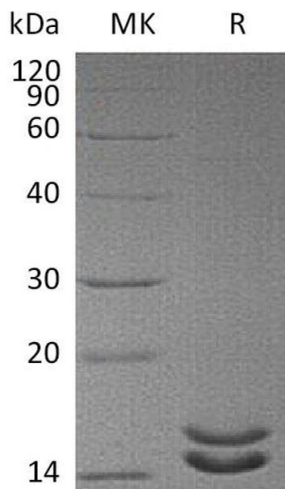
Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



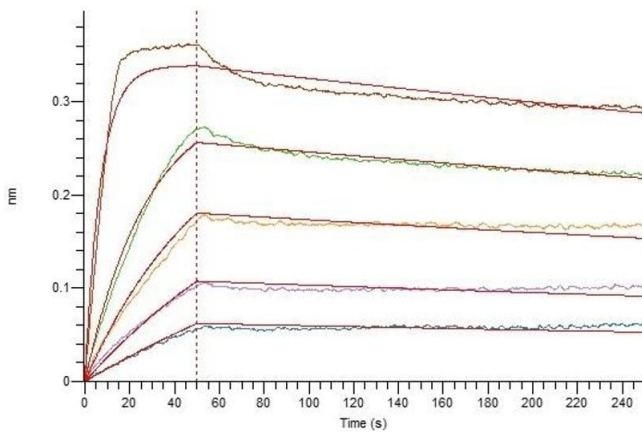
ELISA

Image 1. Loaded Human IL-2RA-Fc on Protein A Biosensor, can bind Human IL-2 Superkine with an affinity constant of 10.4 nM as determined in BLI assay.



SDS-PAGE

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



ELISA

Image 3. Loaded Human IL-2RB-Fc on Protein A Biosensor, can bind Human IL-2 Superkine with an affinity constant of 0.58 nM as determined in BLI assay.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7455647.