

Datasheet for ABIN6700064 **IL-2 Protein**



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Overview

Quantity:	10 µg
Target:	IL-2 (IL2)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	Human Interleukin-2 Recombinant Protein (Animal Free)
Purification:	Interleukin-2 is produced with no animal-derived raw products, animal free equipment and animal free protocols. Purity was determined to be greater than 90% as determined by analysis by UV-Spectroscopy at 280nm and by reducing and non-reducing SDS-PAGE.
Purity:	90,00%
Endotoxin Level:	Measured by LAL is typically ≤ 1 EU/µg protein.
Grade:	Animal-Free
Biological Activity Comment:	The activity is measured by the dose-dependent proliferation of CTLL-2 cells and is typically less than 1 ng/mL.

Target Details

Target:	IL-2 (IL2)
Alternative Name:	IL2 (IL2 Products)

Target Details

Background:	Synonyms: T cell growth factor, TCGF, Aldesleukin Background: Interleukin-2 (IL-2) is an immuno-modulatory cytokine produced by stimulated T cells. IL-2 signals through the IL-2R receptor to induce proliferation of activated T cells. IL-2 also stimulates proliferation and differentiation of B cells, natural killer cells, monocytes and macrophages. Recombinant human IL-2 is a non-glycosylated protein, containing 134 amino acids, with a molecular weight of 15.5 kDa. Recombinant human IL-2 has a Ser substitute for Cysteine at position 126.
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

Application Notes:	Application Note: Human Interleukin-2 Recombinant Protein is suitable as a control for polyclonal or monoclonal anti-Human Interleukin-2 in immunological assays. Other: User Optimized
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution_Buffer: Restore with deionized water (or equivalent) Reconstitution_Volume: 10 µL (10-100 µL)
Concentration:	0.1 mg/mL
Buffer:	Buffer: 0.1 % Trifluoroacetic acid Stabilizer: None
Preservative:	Without preservative
Storage:	-20 °C
Storage Comment:	Store vial at -20° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing

Handling

at room temperature.

Expiry Date: 6 months