Recombinant Mouse IL2 Protein (His Tag)

Catalog No.   PKSM041384

Note: Centrifuge before opening to ensure complete recovery of vial contents.
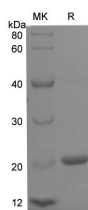
Description

Synonyms	Aldesleukin, IL 2, IL-2, IL2, IL2, Interleukin 2, Interleukin-2, Involved in regulation of T cell clonal expansion, Lymphokine, OTTHUMP00000164090, POIL2, T Cell Growth Factor, T-cell growth factor, TCGF
Species	Mouse
Expression Host	E.coli
Sequence	Ala21-Gln169
Accession	P04351-1
Calculated Molecular Weight	17.2 kDa
Observed molecular weight	19.5 kDa
Tag	N-His
Bioactivity	Testing in progress

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data

> 90 % as determined by reducing SDS-PAGE.

Background

IL2 is a secreted cytokine involved in the operation and regulation of immune system. IL2 plays a pivotal role in T-cell

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activation and effector functions,including T cell proliferation,interferon-γproduction and cytotoxicity. IL2 can stimulate the propagation of lymphocytes and induce the cytotoxic T lymphocytes and lymphokine-activated killer cells for tumor cells. IL2 also influences memory T cell homeostasis through the regulation of memory T cell numbers and enhances major histocompatibility complex II (MHC II) expression on tumor cells.