

Recombinant Human IL2 Protein, C-His-tagged

Product Information

Cat	IMP-4689
Official Symbol	IL2
Product Overview	Recombinant human IL2 (NP_000577.2) (Met1-Thr153) was expressed with a polyhistidine tag at the C-terminus.
Description	<p>Interleukin-2, also known as a T-cell growth factor, TCGF, Aldesleukin, and IL2, is a secreted protein that belongs to the IL-2 family. Interleukin-2 / IL-2 was the first interleukin molecule to be discovered. Interleukin-2 / IL-2 molecule was first purified to homogeneity by immunoaffinity chromatography by Kendall Smith and his team at Dartmouth Medical School. Interleukin-2 / IL-2 was also the first cytokine shown to mediate its effects via a specific IL-2 receptor, and it was also the first interleukin to be cloned and expressed from a complementary DNA (cDNA) library. Interleukin-2 / IL-2 was designated number 2 because Smith's data at the time indicated that IL-1, produced by macrophages, facilitates IL-2 production by T lymphocytes (T cells).</p>
Expression System	HEK293
Species	Human
Tag	C-His
Predicted N Terminal	Ala 21
Form	Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5% mannitol and 0.01% Tween80.
Molecular Mass	The recombinant human IL2 consists of 144 amino acids and predicts a molecular mass of 16.9 kDa. As a result of glycosylation, it migrates as an approximately 18.4 and 16.6 kDa in SDS-PAGE under reducing conditions.
Protein length	Met1-Thr153
Endotoxin	< 1.0 EU/μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.