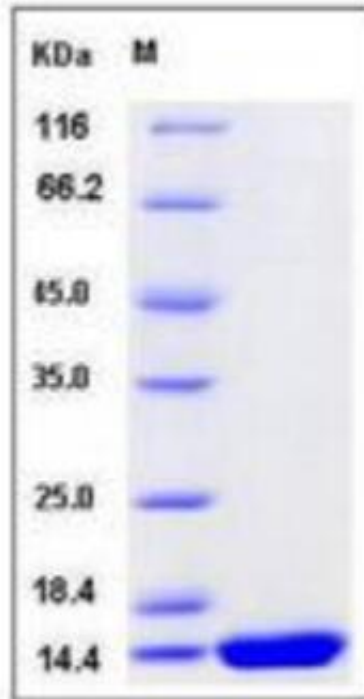


Recombinant Rat IL2 Protein, No Tag

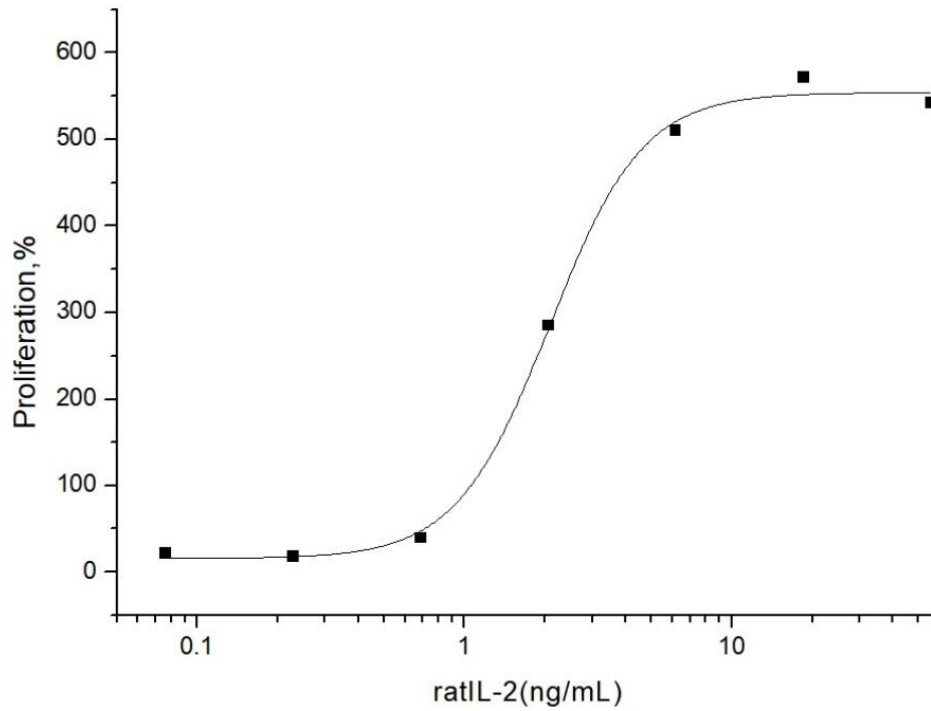
Product Information

Cat	IMP-4694
Official Symbol	IL2
Product Overview	Recombinant rat IL2 (P17108) (Ala 21-Gln 155) was expressed and purified, with an initial Met at the N-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	<i>E. coli</i>
Species	Rat
Tag	No Tag
Predicted N Terminal	Met
Form	Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5% mannitol and 0.01% Tween80.
Molecular Mass	The recombinant rat IL2 consisting of 136 amino acids and has a calculated molecular mass of 15.6 kDa. It migrates as an approximately 15 kDa band in SDS-PAGE under reducing conditions.
Protein length	Ala21-Gln155
Endotoxin	Please contact us for more information.
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.

SDS-PAGE



Bioactivity-Cell based assay 1



Measured in a cell proliferation assay using CTLL2. The ED50 for this effect is typically 0.5-3 ng/mL.