



PRODUCT MANUAL

OF

IL2 with IL2RA PROTEIN CRYSTAL

IL2 with IL2RA Protein Crystal
Interleukin-2 with its alpha Receptor

Cat. No.	CBCRY33		
Background	Interleukin-2 (IL-2) is an immunoregulatory cytokine that binds sequentially to the alpha (IL-2Ralpha), beta (IL-2Rbeta), and common gamma chain (gammac) receptor subunits.		
Molecular description	Protein Classification	Immune System	
	Structure Weight	40207.9 Da	
	Polymer	1	
	Molecule	Interleukin-2	
	Chain Length	133 amino acids	
	Polymer	2	
	Molecule	Interleukin-2 receptor alpha chain	
	Chain Length	219 amino acids	
Crystal Description	PDB ID	1Z92	
	MMDB ID	33820	
	Source	E.coli	
	Method	X-Ray Diffraction	
	Resolution	2.80 Å	
Gene information	Gene Name	IL2	
	Synonyms	IL-2; TCGF; lymphokine; T cell growth factor; aldesleukin; interleukin-2; involved in regulation of T-cell clonal expansion; Aldesleukin	
	UniProt ID	P60568	
	Gene ID	3558	
	Chromosome Location	4q26-q27	
	Function	cytokine activity; interleukin-2 receptor binding; protein binding; growth factor activity; kinase activator activity	
	Gene Name	IL2RA	
	Synonyms	RP11-536K7.1; CD25; IDDM10; IL2R; TCGFR; Interleukin-2 receptor; OTTHUMP0000019030; OTTHUMP00000044870; interleukin 2 receptor, alpha chain; IL-2-RA; IL2-RA; CD25 antigen; IL2 receptor alpha subunit; TAC antigen; interleukin 2 receptor, alpha	
	UniProt ID	P60568	
	GeneID	3558	
	Chromosome Location	10p15-p14	
	Reference	Rickert, M., Wang, X., Boulanger, M.J., Goriatcheva, N., Garcia, K.C. (2005) The structure of interleukin-2 complexed with its alpha receptor. Science 308: 1477-1480	

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY



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