

Human CellExp™ CD25/IL-2R alpha, C-His Tag, Human Recombinant

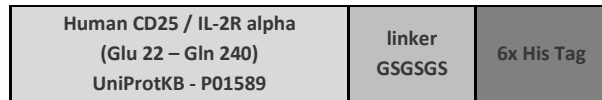
CAT. NO.	P1303-10	10 µg
	P1303-50	50 µg
	P1303-250	250 µg
	P1303-1000	1000 µg

ALTERNATE NAMES: CD25 antigen; CD25; IDDM10; IL-2 R alpha; IL-2 receptor subunit alpha; IL2R alpha; IL-2R subunit alpha; IL2R; IL2RA; IL-2Ra; IL-2-RA; IL2-RA; interleukin 2 receptor, alpha; interleukin-2 receptor subunit alpha; p55; TAC antigen; TCGFR

SOURCE: HEK 293 cells (22 – 240 AA Extracellular Domain)

PURITY: ≥ 95% by SDS-PAGE gel

MOL. WEIGHT: This protein is fused to 6x His tag at the C-terminus and has a calculated MW of 26 kDa. The protein behaves as ~55 kDa and ~100 kDa polypeptide under reducing (R) and non-reducing (NR) conditions (SDS-PAGE) due to glycosylation and dimerization.



N-terminus

C-terminus

FORM: Lyophilized

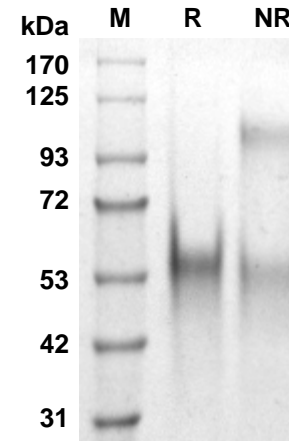
FORMULATION: Lyophilized from 0.22 µm filtered PBS (pH 7.4) with Trehalose (5%).

STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -20°C or -70°C for up to 3 months. Avoid repeated freeze-thaw cycles.

RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in PBS, pH 7.4. Do not vortex.

DESCRIPTION: Interleukin-2 receptor subunit alpha (IL2RA) is a type I transmembrane glycoprotein. IL2RA is expressed on activated T cells and regulatory T cells. IL2RA binds IL2 with low affinity by itself. However, a ligand-induced high affinity heterotrimeric receptor complex is produced when IL2RA is associated non-covalently with the IL2 receptor beta and gamma chain, and subsequently initiates intracellular signal pathways such as

MAPK or JAK/STAT. On dendritic cells (DC), CD25 has been considered as an activation marker. While both murine and human DC can express CD25, they do not express the beta-chain of the IL-2 receptor, which is indispensable for the execution of IL-2 signaling.



Human recombinant CD25 / IL-2R alpha, C-His Tag in SDS-PAGE: the protein behaves as ~55 kDa and ~100 kDa polypeptide under reducing (R) and non-reducing (NR) conditions due to glycosylation and dimerization

RELATED PRODUCTS:

- Human CellExp™ PD-1 /PDCD1, mouse recombinant (Cat. No. 7499)
- Anti-CD2 Antibody (IHC531) (Cat. No. A1492)
- IL-2 Receptor α, Human Recombinant (Cat. No. 7100)
- Human CellExp™ IL-2 R beta /CD122, human recombinant (Cat. No. 7391)
- Anti-IL-2R alpha (CD25) (Basiliximab), Human IgG1 Antibody (Cat. No. A1098)
- Anti-IL-2R alpha (Daclizumab), Human IgG1 Antibody (Cat. No. A1099)

FOR RESEARCH USE ONLY! Not to be used in humans

