

## 32-8601: Recombinant Mouse IL-2R $\alpha$ /IL-2RA/CD25 (C-Fc)

**Gene :** IL2ra  
**Gene ID :** 16184  
**Uniprot ID :** P01590

### Description

Source: Human Cells.  
MW :55.5kD.

Recombinant Mouse Interleukin-2 receptor subunit alpha is produced by our Mammalian expression system and the target gene encoding Glu22-Lys236 is expressed with a Fc tag at the C-terminus. The interleukin 2 receptor alpha (IL2RA), also called CD25, is a type I transmembrane protein that presents on activated T cells, activated B cells, some thymocytes, myeloid precursors, and oligodendrocytes. IL2RA is a member of cytokine receptors family that utilizes the common gamma chain subunit (gc). IL2RA is expressed in most B-cell neoplasms, some acute nonlymphocytic leukemias, neuroblastomas, and tumor infiltrating lymphocytes. IL2RA associates with IL2RB (CD122) to form a heterodimer that can act as a high-affinity receptor for IL-2.

### Product Info

**Amount :** 10  $\mu$ g / 50  $\mu$ g  
**Content :** Lyophilized from a 0.2  $\mu$ m filtered solution of PBS, pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** ELCLYDPPEVPNATFKALSYKNGTILNCECKRGFRRLKELVYMRLGNSWSSNCQCTSNSHDKSRKQVTAQLE HQKEQQTITDMQKPTQSMHQENLTGHCREPPPWKHEDSKRIYHFVEGQSVHYECIPGYKALQRGPAISICKMK CGKTGWTQPQLTCVDEREHRFLASEESQGSRNSSPESETSCPIITTTDFPQPTETTAMTETFVLTMEYKDIEGR MDEPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEVHN AKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTK NQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSGDSFFLYSKLTVDKSRWQQGNVFCFSVMHEAL HNHYTQKSLSLSPGK

### Application Note

**Endotoxin :** Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.