

## 32-8548: Recombinant Human IL-2 Receptor Subunit $\alpha$ /IL-2RA/CD25 (C-6His)

**Gene :** IL2RA  
**Gene ID :** 3559  
**Uniprot ID :** P01589

### Description

Source: Human Cells.  
MW :22.8kD.

Recombinant Human IL-2 receptor alpha is produced by our Mammalian expression system and the target gene encoding Glu22-Cys213 is expressed with a 6His tag at the C-terminus. Interleukin-2 receptor subunit alpha (IL2RA) is a single-pass type I membrane protein, contains 2 Sushi (CCP/SCR) domains. The interleukin 2 (IL2) receptor alpha (IL2RA) and beta (IL2RB) chains, together with the common gamma chain (IL2RG), constitute the high-affinity IL2 receptor. Homodimeric alpha chains (IL2RA) result in low-affinity receptor, while homodimeric beta (IL2RB) chains produce a medium-affinity receptor. Normally an integral-membrane protein, soluble IL2RA has been isolated and determined to result from extracellular proteolysis.

### 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 :** ELCDDDPPEIPHATFKAMAYKEGTMNCECKRGFRRIKSGSLYMLCTGNSSHSSWDNQCQCTSSATRNTTKQ  
VTPQPPEEQKERKTTEMQSPMQPVDQASLPGHCREPPPWENEATERIYHFVVGQMVYYQCVQGYRALHRGPAE  
SVCKMTHGKTRWTQPQLICTGEMETSQFPGEKPKQASPEGRPESETSCVDHHHHHH

### Application Note

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