

## 32-8663: Recombinant Mouse IL-1 Receptor-Like 1/IL-1RL1/IL-1 R4 (C-Fc)

**Gene :** Il1rl1  
**Gene ID :** 17082  
**Uniprot ID :** P14719

### Description

Source: Human Cells.

MW :62.7kD.

Recombinant Mouse Interleukin-1 receptor-like 1 is produced by our Mammalian expression system and the target gene encoding Ser27-Ala337 is expressed with a Fc tag at the C-terminus. ST2, also called IL-1 R4, is an Interleukin-1 receptor family glycoprotein that plays a role in Th2 immune responses. ST2 is expressed on the surface of mast cells, activated Th2 cells, macrophages, and cardiac myocytes. This receptor is very similar to the IL-1 receptor type I and the IL-18 receptor a chain in that ST2 also has three extracellular Ig domains and an intracellular Toll domain. ST2 binds IL-33, enhances inflammatory cytokines by activating nuclear factor- $\kappa$ B (NF- $\kappa$ B) and mitogen activated protein (MAP) kinases. ST2 exists as either a membrane bound form (ST2L) or as a soluble form (sST2). ST2L acts as a transmembrane signalling receptor for IL-33 by mediating the effect of IL-33 on the inflammatory process, while sST2 can suppress IL-33 activity.

### Product Info

**Amount :** 10  $\mu$ g / 50  $\mu$ g

**Content :** Lyophilized from a 0.2  $\mu$ m filtered solution of PBS, pH 7.4.

**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 :** SKSSWGLENEALIVRCPQGRSTYPVEWYYSDTNESIPTQKRNRIFVSRDLKFLPARVEDSGIYACVIRSPNLN  
KTGYLNVTIHKPPSCNIPDYLMYSTVRGSDKNFKITCPTIDLYNWTAPVQWFKNCKALQEPRFRAHRSYLFIDN  
VTHDDEGDYTCQFTHAENGTYIVTATRSFTVEEKGFMSFPVITNPPYNHTMEVEIGKPASIACSACFGKGSFHL  
ADVLWQINKTVVGNFGEARIQEEEGRNESSNDMDCLTSVLRITGVTEKDLSLEYDCLALNLHGMIRHTIRLR  
KQPSKECPSHIAVDDIEGRMDPEKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVDSHE  
DPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQ  
PREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSR  
WQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

### Application Note

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