

Product datasheet for **TP727387**

Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse IL-1 Receptor-Like 1/IL-1RL1/IL-1 R4 (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Ser27-Ala337
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	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 6His tag at the C-terminus.
Storage:	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.
Stability:	12 months from date of despatch
Synonyms:	Interleukin-1 receptor-like 1; Lymphocyte antigen 84; Protein ST2; Protein T1; Il1rl1; DER4; Fit-1; IL-1 R4; IL-1RL1; IL-33R; Ly84; ST2L; ST2V; suppression of tumorigenicity 2
Summary:	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 β 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- κ B (NF- κ 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.



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