ST2/IL1RL1, Human, Recombinant

Cat. No. : PCK167

General Information

Synonyms	Interleukin-1 Receptor-like 1;Protein ST2;DER4;ST2;T1
Species	Human
Expression host	Human Cells
Sequence	Lys19-Phe328
Accession	Q01638-2
Tag	C-6His
Mol mass	36.0 kDa
Expiration date	12 months
Bio activity	Immobilized Human ST2-His at 5 μg/mL (100 μL/well) can bind Human IL-33-His. The ED50 of Human IL-33-His is 8.44 ng/mL.

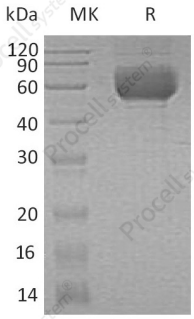
Product feature

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

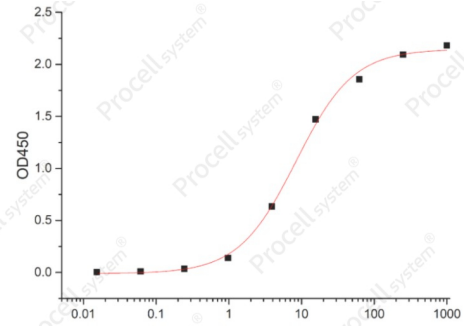
Background

Interleukin 1 Receptor-like 1 (IL1RL1) is a member of the Interleukin-1 Receptor family, Contains 3 Ig-like C2-type domains and 1 TIR domain. It is highly expressed in kidney, lung, placenta, stomach, skeletal muscle, colon and small intestine. IL1RL1 is a Receptor for Interleukin-33, its stimulation recruits MYD88, IRAK1, IRAK4, and TRAF6, followed by phosphorylation of MAPK3/ERK1 and/or MAPK1/ERK2, MAPK14, and MAPK8. IL1RL1 may possibly be involved in helper T-cell function. Soluble IL1RL1 also acts as a negative regulator of Th2 Cytokine production, it directly implicated in the progression of cardiac disease.

SDS-PAGE



Bio activity



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