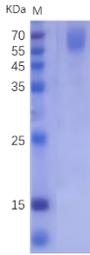


Specification

Product name:	Recombinant human ST2 antigen (sST2)
Source:	Produced by our Mammalian expression system
Accession #:	Q01638-2
SDS-PAGE:	55-70 kDa, reducing conditions
Construction:	Recombinant Human sST2
Predicted Molecular Mass:	36kDa
Activity:	Immunoreactivity was confirmed by reacting with monoclonal antibodies specific to human ST2 .
Application:	ELISA, immunology, others unspecified.
Form:	Liquid
Formulation:	20 mM Tris, 300 mM NaCl, pH 8.0
Stability & Storage:	Stable at -80°C
Shipping condition:	The product is shipped on ice pack. Upon receiving, store it immediately at the recommended temperature.
Conc. Determined:	BCA
Purity:	>90%

SDS-PAGE



Greater than 90% as determined by reducing SDS-PAGE. (QC verified).

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.

References:

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3. TominagaS. A putative protein of a growth specific cDNA from BALB/c-3T3 cells is highly similar to the extracellular portion of mouse interleukin 1 receptor.
4. BabaY, MaedaK, YashiroT, et al. GATA2 is a critical transactivator for the human IL1RL1/ST2 promoter in mast cells/basophils: opposing roles for GATA2 and GATA1 in human IL1RL1/ST2 gene expression.
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