

Product datasheet

Recombinant human ST2 protein (Fc Chimera Active) ab219662

[1 References](#) [2 Images](#)

Description

Product name	Recombinant human ST2 protein (Fc Chimera Active)	
Biological activity	Immobilized Human IL-33, Tag Free at 5 µg/mL (100 µL/well) can bind ab219662 with a linear range of 1.95-7.8 ng/mL.	
Purity	> 90 % SDS-PAGE.	
Endotoxin level	< 1.000 Eu/µg	
Expression system	HEK 293 cells	
Accession	Q01638	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	KFSKQSWGLENEALIVRCPRQGKPSYTDWYYSQTNKSIP TQERNRVFAS GQLLKFLPAAVADSGIYTCMRSPFTFNRTGYANVTIYKKQSD CNVPDYLM YSTVSGSEKNSKIYCPIDLYNWTAPLEWFKNCQALQGSR YRAHKSFLVI DNVMTEADAGDYTCFKIHNENGANYSVTATRSFTVKDEQG FSLFPVIGAPA QNEIKEVEIGKNANLTCACFGKGTQFLAAVLWQLNGTKIT DFGEPRIQQ EEGQNQSFNSGLACLDMLRIADVKEEDLLLQYDCLALNL HGLRRHTVRL SRKNP	
Predicted molecular weight	61 kDa including tags	
Amino acids	19 to 323	
Additional sequence information	Extracellular domain with Human IgG1 Fc tag at the C-terminus.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab219662** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE
Functional Studies

Form Lyophilized

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot. Store at -20°C long term. For long term storage it is recommended to add a carrier protein on reconstitution (0.1% HSA or BSA).
pH: 7.4
Constituents: 5% Trehalose, 0.61% Tris, 0.75% Glycine, Sodium chloride, L-Arginine
This product is an active protein and may elicit a biological response in vivo, handle with caution.

Reconstitution Reconstitute with sterile deionized water to a concentration of 200 µg/ml.

General Info

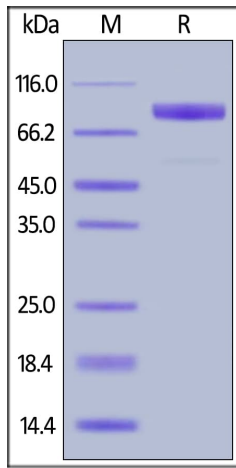
Function Receptor for interleukin-33 (IL-33), its stimulation recruits MYD88, IRAK1, IRAK4, and TRAF6, followed by phosphorylation of MAPK3/ERK1 and/or MAPK1/ERK2, MAPK14, and MAPK8. Possibly involved in helper T-cell function.

Tissue specificity Highly expressed in kidney, lung, placenta, stomach, skeletal muscle, colon and small intestine. Isoform A is prevalently expressed in the lung, testis, placenta, stomach and colon. Isoform B is more abundant in the brain, kidney and the liver. Isoform C is not detected in brain, heart, liver, kidney and skeletal muscle.

Sequence similarities Belongs to the interleukin-1 receptor family.
Contains 3 Ig-like C2-type (immunoglobulin-like) domains.
Contains 1 TIR domain.

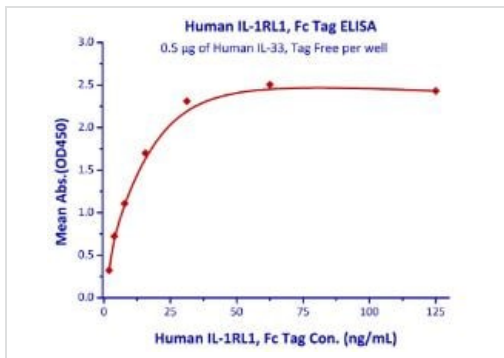
Cellular localization Secreted and Cell membrane.

Images



SDS-PAGE - Recombinant human ST2 protein (Fc Chimera Active) (ab219662)

SDS-PAGE using ab219662. Migrates at 85-100 kDa under reducing conditions due to glycosylation.



Functional Studies - Recombinant human ST2 protein (Fc Chimera Active) (ab219662)

Immobilized Human IL-33, Tag Free at 5 µg/mL (100 µL/well) can bind ab219662 with a linear range of 1.95-7.8 ng/mL.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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