

# Human IL1RL1/DER4/ST2, C-hFc, His (ECD) Protein

## HA210589



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| <b>Product name:</b>                     | Human IL1RL1/DER4/ST2, C-hFc, His (ECD)   |
| <b>Species reactivity:</b>               | Human   |
| <b>Bio-Activity:</b>                     | Testing in progress.  |
| <b>Protein construction description:</b> | A DNA sequence encoding the human IL1RL1/DER4/ST2 protein (Q01638) (Lys 19-Ser 328) was expressed with both hFc, his tag at the C-terminus.   |
| <b>Background:</b>                       | Receptor for interleukin-33 (IL-33); signaling requires association of the coreceptor IL1RAP. 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 (Probable). Upon tissue injury, induces UCP2-dependent mitochondrial rewiring that attenuates the generation of reactive oxygen species and preserves the integrity of Krebs cycle required for persistent production of itaconate and subsequent GATA3-dependent differentiation of inflammation-resolving alternatively activated macrophages. |
| <b>Purity:</b>                           | >90% as determined by SDS-PAGE.   |
| <b>Endotoxin:</b>                        | Less than 1.0 EU per µg by the LAL method.  |
| <b>Fragment region:</b>                  | IL1RL1/DER4/ST2 (19-328)  |
| <b>Source:</b>                           | HEK293  |
| <b>Accession:</b>                        | Q01638  |
| <b>Predicted molecular mass:</b>         | 62.3 kD   |
| <b>Formulation:</b>                      | Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.   |
| <b>Reconstitution:</b>                   | Reconstitute at 250 µg/ml in sterile water.   |
| <b>Storage:</b>                          | Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.  |

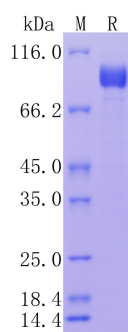
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**Fig1:** Protein on SDS-PAGE under reducing (R) condition.

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**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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