

Rev02  
 Update: Aug,08,2025
**DATASHEET**

# IL-1 Rrp2/IL-1 R6 (C154S, C262S), His, Human

Cat. No.: Z05421

## Product Introduction

<b>Species</b>	Human
<b>Protein Construction</b>	<div style="display: flex; align-items: center; justify-content: space-between;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;">             IL-1 Rrp2/IL-1 R6 (C154S, C262S) [Asp20-Tyr337 (C154S,C262S)]              Accession # Q9HB29-1           </div> <div style="background-color: #76923c; color: white; padding: 5px; text-align: center;">His</div> </div> <div style="display: flex; justify-content: space-between; font-size: small; margin-top: 5px;"> <span>N-term</span> <span>C-term</span> </div>
<b>Purity</b>	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
<b>Endotoxin Level</b>	Less than 1EU per µg by the LAL method.
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized IL-1 Rrp2/IL-1 R6 (C154S, C262S), His, Human at 1µg/ml (100µl/Well) on the plate can bind AntilIL1 Rrp2 Antibody, hFc Tag. Test result was comparable to standard batch.
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	37.2 kDa
<b>Apparent Molecular Weight</b>	Due to glycosylation, the protein migrates to 56-67 kDa based on Bis-Tris PAGE result.
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage &amp; Stability</b>	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

## Background

**Target Background :** The Interleukin 1 receptor family (IL-1 R) comprises at least eleven members including IL-1 RI (IL-1 R1), IL-1 RII (IL-1 R2), IL-1 RAcP (IL-1 R3), ST2 (T1/IL-1 R4), IL-18 Ra (IL-1 Rrp/IL-1 R5), IL-1 Rrp2 (IL-1 RL2/IL-1 R6), IL-18 Rb (AcPL/IL-1 R7), IL-1RAPL-1 (TIGIRR-2/IL-1 R8), and TIGIRR-1 (IL-1 R9). IL1RL2 is a receptor for interleukin-36 (IL36A, IL36B and IL36G). After binding to interleukin-36 associates with the coreceptor IL1RAP to form the interleukin-36 receptor complex which mediates interleukin-36-dependent activation of NF-kappa-B, MAPK and other pathways.

**Synonyms :** IL-1 R6; IL-1 Rrp2; IL1RL2; IL1Rrp2; IL1RRP2; IL-36R

**For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.**

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