Recombinant Human IL-1 Rrp2/IL-1 R6 Protein

Catalog No.: RP01547

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Sequence Information

Species
Human

Gene ID
8808

Swiss Prot
Q9HB29

Tags
C-hFc

Synonyms
IL1RL2,IL-1Rrp2,IL-36R,IL1R-rp2, IL1RRP2,IL36R

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
61.90 kDa

Observed MW
75-100 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

IL1RL2 (Interleukin 1 Receptor-Like 2, also known as IL-36R) is a Protein Coding gene. The protein encoded by this gene is a member of the interleukin 1 receptor family. This gene and four other interleukin 1 receptor family genes form a cytokine receptor gene cluster in a region mapped to chromosome 2q12. The IL36 receptor is an important mediator molecule in the inflammatory response. Animal data suggest that IL1RL2 is involved in mucosal healing. Therapeutic intervention of IL-36R signaling offers an innovative treatment paradigm for targeting epithelial cell-mediated inflammatory diseases such as the life-threatening psoriasis variant called generalized pustular psoriasis (GPP). Diseases associated with IL1RL2 include Familial Cold Autoinflammatory Syndrome 2 and Geographic Tongue.

Basic Information

Description
Recombinant Human IL-1 Rrp2/IL-1 R6 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asp20-Arg335) of human IL-1 Rrp2/IL-1 R6 (Accession #NP_003845.2) fused with a hFc tag at the C-terminus.

Activity
Measured by its binding ability in a functional ELISA. Immobilized human IL-36 beta (Catalog: RP00020) at 10 μg/mL (100 μL/well) can bind human IL1RL2(Catalog: RP01547) with a linear range of 0.018-2.62 μg/mL.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

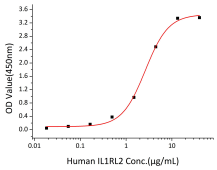
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

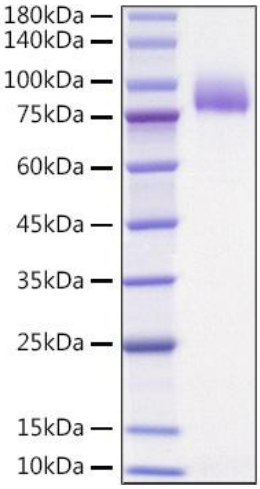
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

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Validation Data



Immobilized human IL-36 beta (Catalog: RP00020) at 10 μg/mL (100 μL/well) can bind human IL1RL2(Catalog: RP01547) with a linear range of 0.018-2.62 μg/mL.



Recombinant Human IL-1 Rrp2/IL-1 R6 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.