Recombinant Human IL-22RA2/IL22BP Protein

Catalog No.: RP00192

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Sequence Information

Species
Human

Gene ID
116379

Swiss Prot
Q969J5-2

Tags
C-His

Synonyms
IL22RA2,CRF2-10,CRF2-S1,CRF2X, IL-22BP,IL-22R-alpha-2,IL-22RA2, ZCYTOR16

Product Information

Source
HEK293 cells

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MW
25.33 kDa

Observed MW
40-50 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.Contact us for customized product form or formulation.

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

Interleukin 22 binding protein (IL-22BP), also known as CRF2-10, CRF2-X, and IL-22RA2, is a 35-45 kDa secreted glycoprotein in the type II cytokine receptor family (CRF). IL-22BP specifically binds to and inhibits interleukin 22 activity by blocking the interaction of interleukin 22 with its cell surface receptor.IL-22BP is produced by dendritic cells (DC), epithelial cells, activated B cells, and activated monocytes. It is constitutively expressed by DC but is down-regulated during local inflammation and in response to tissue damage. IL-22BP is critical for limiting IL-22 induced epithelial cell proliferation during wound healing, and its deficiency can enable uncontrolled proliferation and enhance tumor development.

Basic Information

Description
Recombinant Human IL-22RA2/IL22BP Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Thr22-Pro231) of human IL-22BP/IL-22RA2 (Accession #NP_851826.1) fused with a 6×His tag at the C-terminus.

Activity
Measured by its binding ability in a functional ELISA. Immobilized recombinant Human IL22 at 2 μg/mL (100 μL/well) can bind recombinant Human IL22BP, the EC_{50} of Human IL22BP is 10.78 ng/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

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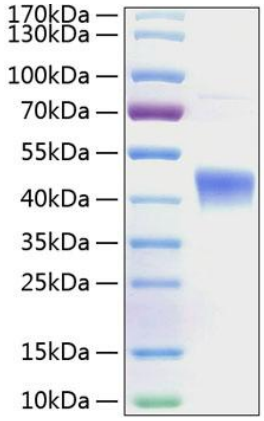
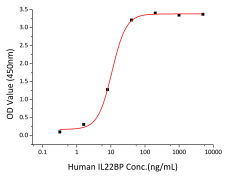
For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Human IL-22RA2/IL22BP Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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