Recombinant Human IL22RA2 Protein (Met1-Pro263), His-tagged

Cat. No. IL22RA2-439H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL22RA2 Protein (NP_443194.1) (Met1-Pro263) was produced by HEK293 Cells expression system. This protein was expressed with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Pro263
Description	Interleukin-22 receptor subunit alpha-2 (IL-22RA2), also known as interleukin-22-binding protein (IL-22BP), is a subunit of the receptor for interleukin 22. IL-22BP belongs to the type I I cytokine receptor family and contains 3 fibronectin type-III domains. IL-22BP/IL-22RA2 is expressed in a range of tissues, including those in the digestive, female reproductive, and immune systems. It is expressed in placenta, spleen, breast, skin and lung. It is also detected in intestinal tract, testis, brain, heart and thymus. The dominant cell types expressing IL-22BP/IL-22RA2 were mononuclear cells and epithelium. IL-22BP/IL-22RA2 may play an important role as an IL-22 antagonist in the regulation of inflammatory responses. Interleukin-22 (IL-22) is a member of IL-1 family. It is produced by T cells and induces the production of acute-phase reactants. IL-22 plays important roles in immune response through activation of the STAT 3 signal transduction pathway. Two types of IL-22-binding receptor have been discovered, a membrane-bound receptor and a soluble receptor.

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Predicted N Terminal	Thr 22
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human IL22RA2 consists of 253 amino acids and predicts a molecular mass of 29.7 kDa.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4℃ before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	IL22RA2 interleukin 22 receptor, alpha 2 [Homo sapiens]
Official Symbol	IL22RA2

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Synonyms	IL22RA2; CRF2 S1; IL 22BP; zcytoR16; IL-22R-alpha-2; CRF2X; CRF2-10; CRF2-S1; IL-22BP; IL-22RA2; MGC150509; MGC150510;
Gene ID	116379
mRNA Refseq	NM_052962
Protein Refseq	NP_443194
MIM	606648
UniProt ID	Q969J5

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