Recombinant Protein Technical Manual

Recombinant Human IL-22BP/IL22RA2 Protein (His Tag)(Active)

RPES2226

Product Data:

Product SKU: RPES2226

Size: 20µg

Species: Human

Expression host: HEK293 Cells

Uniprot: NP_851826.1

Protein Information:

Molecular Mass:	26.1 kDa
AP Molecular Mass:	50-55 kDa
Tag:	C-His
Bio-activity:	Immobilized IL22BP-His at 10 µg/ml (100 µl/well) can bind biotinylated IL22, The EC50 of biotinylated IL22 is 1.78-4.14 ng/ml.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin:	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage:	Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping:	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation:	Lyophilized from sterile PBS, pH 7.4
Reconstitution:	Please refer to the printed manual for detailed information.
Application:	Functional ELISA
Synonyms:	CRF20;CRF2-S1;CRF2X;IL-22BP;IL-22R-alpha-2;IL-22RA2;ZCYTOR16

Immunogen Information:

Sequence: Met 1-Pro 231

Background:

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 IL0 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.