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

Catalog No. PKSH031300

Note: Centrifuge before opening to ensure complete recovery of vial contents.

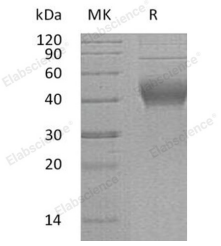
Description

Synonyms	CRF2-10;CRF2-S1;CRF2X;IL-22BP;IL-22R-alpha-2;IL-22RA2;ZCYTOR16
Species	Human
Expression Host	HEK293 Cells
Sequence	Met 1-Pro 231
Accession	NP_851826.1
Calculated Molecular Weight	26.1 kDa
Observed molecular weight	50-55 kDa
Tag	C-His
Bioactivity	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.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. 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 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



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Background

Interleukin-22 receptor subunit alpha-2 (IL-22RA2); also known as interleukin-22-binding protein (IL-22BP); is a subunit

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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-10 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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