

IL22BP / IL22RA2 active protein

Recombinant Human IL22BP / IL22RA2 Protein (His tag)

CATALOG #
AAA173554

HOST
Human

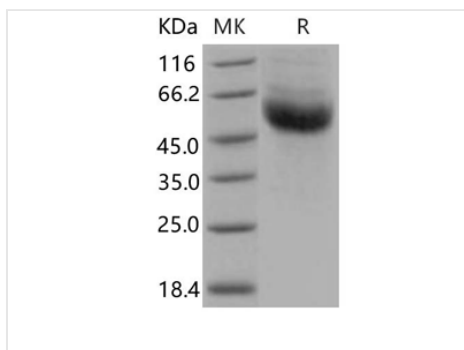
PRODUCT SYNONYMS

IL22BP / IL22RA2; Recombinant Human IL22BP / IL22RA2 Protein (His tag); IL22RA2; CRF2-10; CRF2-S1; CRF2X; IL-22BP; MGC150509; MGC150510; ZCYTOR16; IL22BP / IL22RA2 active protein

PRODUCT SPECIFICATIONS

Host	Human
Purity/Purification	> 95 % as determined by reducing SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH 7.4, 5% Trehalose, 5% Mannitol, 0.01% Tween-80.
Sequence	Met1-Pro23 1
Sequence Length	231
Expression Host	HEK293 Cells
Endotoxin	< 1.0 EU per ug of the protein as determined by the LAL method
Tag	C-His
Bio Activity	Immobilized IL22BP-His at 10ug/ml (100 ul/well) can bind biotinylated IL22, The EC50 of biotinylated ILL22 is 1.78-4.14 ng/ml
Reconstitution	We recommend that the vial be centrifuged to opening to bring the contents to the bottom. Do not mix by vortex. It is recommended that sterile water(80ul) be added to the vial to prepare a stock solution of 0.25mg/mL. Concentration is measured by UV-Vis.
Preparation and 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°C for 2-7 days. Aliquots of reconstituted samples are stable at <-20°C for 3 months. This product is provided as lyophilized powder which is shipped with blue ice.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for IL22BP / IL22RA2 active protein	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 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. Description: A DNA sequence encoding the human IL22RA2 isoform 2 (NP_851826.1) (Met 1-Pro 231) was expressed, fused with a polyhistidine tag at the C-terminus.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31317241
NCBI GeneID	116379
NCBI Accession #	NP_851826.1
NCBI GenBank Nucleotide #	NM_181309.1
UniProt Accession #	Q969J5; Q08AH7; Q6UWM1; Q96A41; Q96QR0
Molecular Weight	Molecular Weight: 26.1 kDa AP Molecular Weight: 50-55 kDa
NCBI Official Full Name	interleukin-22 receptor subunit alpha-2 isoform 2
NCBI Official Synonym Full Names	interleukin 22 receptor subunit alpha 2
NCBI Official Symbol	IL22RA2
NCBI Official Synonym Symbols	CRF2X; CRF2-10; CRF2-S1; IL-22BP; IL-22RA2; ZCYTOR16; IL-22R-alpha-2
NCBI Protein Information	interleukin-22 receptor subunit alpha-2
UniProt Protein Name	Interleukin-22 receptor subunit alpha-2
UniProt Gene Name	IL22RA2
UniProt Synonym Gene Names	IL-22 receptor subunit alpha-2; IL-22R-alpha-2; IL-22RA2; CRF2-10; CRF2-S1; IL-22BP; IL22BP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.