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Datasheet for ABIN7534205
IL22RA2 Protein (His tag)

Overview

Quantity:	100 µg
Target:	IL22RA2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL22RA2 protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human IL-22RA2/IL22BP Protein
Sequence:	TQSTHESLKP QRVQFQSRNF HNILQWQPGR ALTGNSSVYF VQYKIYGQRQ WKNKEDCWGT QELSCDLTSE TSDIQEPYYG RVRAASAGSY SEWSMTPRFT PWWETKIDPP VMNITQVNGS LLVILHAPNL PYRYQKEKNV SIEDYYELLY RVFIINNSLE KEQKVYEGAH RAVEIEALTP HSSYCVVAEI YQPMLDRRSQ RSEERCVEIP
Specificity:	Thr22-Pro231
Purity:	> 90 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	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.

Target Details

Target:	IL22RA2
Alternative Name:	IL-22RA2/IL22BP (IL22RA2 Products)
Background:	<p>Description: 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.</p> <p>Name: IL22RA2,CRF2-10,CRF2-S1,CRF2X,IL-22BP,IL-22R-alpha-2,IL-22RA2,ZCYTOR16</p>
Gene ID:	116379
UniProt:	Q969J5-2

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
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 stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	<p>Store the lyophilized protein at -20°C to -80 °C for long term.</p> <p>After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.</p>