



Recombinant Protein Technical Manual

Recombinant Human IL-22BP/IL-22RA2 Protein (His Tag)(Active)

RPES3172

Product Data:

Product SKU: RPES3172

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q969J5-2

Protein Information:

Molecular Mass: 25.7 kDa

AP Molecular Mass: 44 kDa

Tag: C-6His

Bio-activity: Measured by its ability to inhibit IL-22-induced ILO secretion by COLO 205 human colorectal adenocarcinoma cells. The ED50 for this effect is typically 113.2 ng/ml in the presence of 500 ng/mL of Recombinant Human IL-22.

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Interleukin-22 Receptor Subunit Alpha-2; IL-22 Receptor Subunit Alpha-2; IL-22R-Alpha-2; IL-22RA2; Cytokine Receptor Class-II Member 10; Cytokine Receptor Family 2 Member 10; CRF20; Cytokine Receptor Family Type 2 Soluble 1; CRF2-S1; Interleukin-22-Binding Protein; IL-22BP; IL22BP; ZcytoR16; IL22RA2

Immunogen Information:

Sequence: Thr 22-Pro231

Background:

Interleukin-22 Receptor Subunit α -2 (IL22RA2) belongs to the type II cytokine receptor family. IL22RA2 is a secreted protein and contains three fibronectin type-III domains. IL22RA2 is widely expressed in many tissues. IL22RA2 functions as an IL22 antagonist and may be important in the regulation of inflammatory response. Three alternatively spliced transcript variants encoding distinct isoforms have been described.