



Recombinant Protein Technical Manual

Recombinant Human IL-20RA/IL-20R1 Protein (His Tag)(Active)

RPES1257

Product Data:

Product SKU: RPES1257

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9UHF4

Protein Information:

Molecular Mass: 26.3 kDa

AP Molecular Mass: 40 kDa

Tag: C-6His

Bio-activity: Immobilized Human IL-20(Cat: PKSH032630) at 2µg/ml(100 µl/well) can bind Human IL-20RA-His. The ED50 of Human IL-20RA-His is 3.5 ug/ml .

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, pH 7.4.

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

Application: Functional ELISA

Synonyms: Interleukin-20 Receptor Subunit Alpha; IL-20 Receptor Subunit Alpha; IL-20R-Alpha; IL-20RA; Cytokine Receptor Class-II Member 8; Cytokine Receptor Family 2 Member 8; CRF2-8; IL-20R1; ZcytoR7; IL20RA

Immunogen Information:

Sequence: Val30-Lys250

Background:

Interleukin-20 Receptor Subunit α (IL20RA) is a single-pass type I membrane protein that is a member of the type II cytokine receptor family. IL20RA is synthesized as a 553 amino acid glycoprotein precursor containing a 29 amino acid signal peptide, a 221 amino acid extracellular domain with two fibronectin type-III domains, a 24 amino acid transmembrane region, and a 279 amino acid intracellular domain. IL20RA is widely expressed with highest levels found in skin and testis and high levels in brain. IL20RA forms a heterodimer with IL20RB, and the complex serves as a receptor for IL19, IL20 and IL24. IL20RA also forms a heterodimer with the unique and specific receptor IL10RB and functions as the receptor for IL26.