



# Recombinant Protein Technical Manual

**Recombinant Human IL10RB/IL10R2 Protein (His Tag)**  
RPES3271

## Product Data:

**Product SKU:** RPES3271

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** NP\_000619.3

## Protein Information:

**Molecular Mass:** 24.5 kDa

**AP Molecular Mass:** 48 kDa

**Tag:** C-6His

**Bio-activity:**

**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:** CDW210B;CRF2-4;CRFB4;D21S58;D21S66;IL0R2;Interleukin0 receptor subunit beta(IL10RB);Cytokine receptor class-II member 4;Cytokine receptor family 2 member 4;Interleukin0 receptor subunit 2

## Immunogen Information:

**Sequence:** Met20-Ser220

## Background:

IL10RB is a single- pass type I membrane protein and contains two fibronectin type-III domains. It is an accessory chain which is essential for the active interleukin 10 receptor complex. Coexpression of IL10RB and IL10RA proteins has been shown to be required for IL10-induced signal transduction. Defects in IL10RB are the cause of inflammatory bowel disease type 25 (IBD25) which is a chronic, relapsing inflammation of the gastrointestinal tract with a complex etiology.