



Recombinant Protein Technical Manual

**Recombinant Human TNFRSF1B/CD120b Protein
(mFc Tag)
RPES3984**

Product Data:

Product SKU: RPES3984

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P20333

Protein Information:

Molecular Mass: 46.44 kDa

AP Molecular Mass: 60 kDa

Tag: C-mFc

Bio-activity:

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

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°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 PBS, pH 7.4.

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

Application:

Synonyms: Tumor necrosis factor receptor superfamily member 1B; TNFRSF1B; Tumor necrosis factor receptor 2; TNF-R2; TNF-RII; Tumor necrosis factor receptor type II; p75; p80 TNF-alpha receptor; CD120b; Tumor Necrosis Factor Receptor II

Immunogen Information:

Sequence: Pro24-Thr206

Background:

Tumor necrosis factor receptor superfamily member 1B (TNFRSF1B) is a member of the tumor necrosis factor receptor superfamily. Human TNF RII contains four cysteine-rich repeats in its ECD, which shares 58% and 56% amino acid sequence identity with the mouse and rat orthologs, respectively. TNF RII is expressed predominantly on cells of the hematopoietic lineage, such as T and natural killer cells, as well as on endothelial cells, microglia, astrocytes, neurons, oligodendrocytes, cardiac myocytes, thymocytes, and mesenchymal stem cells. TNF RII binds to the membrane-bound forms of TNF α and Lymphotoxin α /TNF β ?soluble TNF is thought to signal predominately through TNF RI. Soluble TNF RII is believed to inhibit TNF biological activity by binding TNF thereby preventing it from activating membrane TNF receptors.