

Recombinant Human TNFRSF1B/CD120b Protein (Fc Tag)



Catalog Number:PKSH033162

Note: Centrifuge before opening to ensure complete recovery of vial contents.

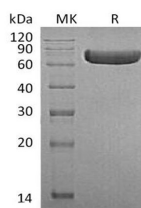
Description

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
Species	Human
Expression Host	HEK293 Cells
Sequence	Leu23-Asp257
Accession	P20333
Calculated Molecular Weight	51.9 kDa
Observed molecular weight	60-90 kDa
Tag	C-Fc
Bioactivity	Measured by its ability to induce NF-κB reporter activity in HEK293 human embryonic kidney cells. Recombinant Human TNF RII inhibits a constant dose of 0.5ng/mL of Recombinant TNF alpha. The IC50 for this effect is 2.5 ng/mL.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, 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 PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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

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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 membranebound 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.

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