Human 4 1BBR Recombinant Protein

RPPB0982

Product Information

Product SKU:
RPPB0982

Accession:
Q07011

Host:
Escherichia Coli.

Protein Information

Protein description:
4-1BB Soluble Receptor Recombinant Human also called Tumor necrosis factor receptor superfamily member 9 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 167 amino acids, having a molecular mass of 17718 Dalton and containing the cysteine rich TNFR-like extracellular domain of 4-1BB Receptor. The 4-1BB Receptor is purified by proprietary chromatographic techniques.

Appearance:
Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:
Tumor necrosis factor receptor superfamily member 9, 4-1BB ligand receptor T-cell, antigen 4-1BB homolog, T-cell antigen ILA, CD137 antigen, CDw137, ILA, 4-1BB, MGC2172, 4-1BBR, TNFRSF9.

Formulation:
Lyophilized from a concentrated (1mg/ml) solution in water containing no additives.

Purity:
Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Solubility:
It is recommended to reconstitute the lyophilized 4-1BB Receptor in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:
Lyophilized 4-1BB Receptor although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution 4-1BBR should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:
The sequence of the first five N-terminal amino acids was determined and was found to be Met-Glu-Arg-Thr-Arg.

Biological Activity:
The activity was determined by the inhibition of 4-1BB ligand mediated stimulation of IL-8 production by human PBMC. Results: 90% inhibition using 1µg for both 4-1BB ligand and 4-1BB receptor.

