

## 4-1BB Receptor Human Recombinant

<b>Item Number</b>	rAP-0277
<b>Synonyms</b>	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.
<b>Description</b>	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-
<b>Uniprot Accession Number</b>	Q07011
<b>Amino Acid Sequence</b>	The sequence of the first five N-terminal amino acids was determined and was found to be Met-Glu-Arg-Thr-Arg.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. 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).
<b>Formulation and Purity</b>	Lyophilized from a concentrated (1mg/ml) solution in water containing no additives. Greater than 98.0% as determined by: (a) Analysis by RP-HPLC.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized 4-1BB Receptor in sterile 18MΩ-cm H <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	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.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**