
Product Data Sheet

Product Name: 4-1BBR Human, Sf9
 Cat. No.: GP20961
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9,Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.

Synonyms Tumor Necrosis Factor Receptor Superfamily; Member 9; T-Cell Antigen 4-1BB Homolog; 4-1BB Ligand Receptor; T-Cell Antigen ILA; CD137 Antigen; CDw137; CD137; ILA; Interleukin-Activated Receptor; Homolog Of Mouse Ly63; Induced By Lymphocyte Activation (ILA); Homolog Of Mouse 4-1BB; Receptor Protein 4-1BB; T Cell Antigen ILA; 4-1BB; Tumor necrosis factor receptor superfamily member 9.

Amino Acid Sequence
 ADLFERTRSLQDPCSNCPAG TFCDNNRNQI CSPCPPNSFS SAGGQRTCDI
 CRQCKGVFRT RKECSSTSNA ECDCTPGFHCLGAGCSMCEQ DCKQGQELTK
 KGCKDCCFGT FNDQKRGICR PWTNCSLDGK SVLVNGTKER
 DVVCGPSPADLSPGASSVTP PAPAREPGHS PQLEPKSCDKTHTCPPCPAP
 ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VVDVSHEDPEVKFNWYVDGV
 EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI
 EKTISKAKGQPREPQVYTLPSRDELTKNQ VSLTCLVKGF YPSDIAVEWE
 SNGQPENNYK TTPPVLDSDGSFFLYSKLTV DKSRWQQGNV FSCSVMHEAL
 HNHYTQKSLSLSPGKHHHHH H.

Formulation 4-1BBR protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Introduction

4-1BBR is a member of the TNF-receptor superfamily. 4-1BB receptor contributes to the clonal expansion, survival, and development of T cells. 4-1BBR can also induce proliferation in peripheral monocytes, enhance T cell apoptosis induced by TCR/CD3 triggered activation, and regulate CD28 co-stimulation to promote Th1 cell responses. The expression of this receptor is induced by lymphocyte activation. TRAF adaptor proteins have been shown to bind to this receptor and transduce the signals leading to

Caution: Product has not been fully validated for medical applications. For research use only.

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activation of NF-kappaB.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

4-1BBR produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 411 amino acids (18-186a.a.) and having a molecular mass of 45.3kDa. (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). 4-1BBR is expressed with a 242 amino acid hIgG-His-tag at C-Terminus and purified by proprietary chromatographic techniques.

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