
Product Data Sheet

Product Name: 4-1BBR Mouse
 Cat. No.: GP20960
 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; 4-1BB ligand receptor; T-cell antigen 4-1BB; CD137.		
Amino Acid Sequence	VQNSCDNCQP GTFCKYNPV CKSCPPSTFS SIGGQPNCNI CRVCAGYFRFKKFCSTHNA ECECIEGFHC LGPQCTRCEK DCRPGQELTK QGCKTCSLGT FNDQNGTGVC RPWTNCSLDGRSVLKTGTTE KDVVCGPPVV SFSPSTTISV TPEGGPGGHS LQVLLHHHH HH.		
Formulation	4-1BBR protein solution (0.5mg/ml) contains PhosphateBuffered Saline (pH 7.4) and 10% glycerol.		

Introduction

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contributes to the clonal expansion, survival, and development of T cells. It 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 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 172 amino acids (24-187 a.a.) and having a molecular mass of 18.6kDa

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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(Migrates at 18-28kDa on SDS-PAGE underreducing conditions).

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