

CHAMOT

Recombinant 4-1BBL, Human, Animal-Free

CM085-5HP

CM085-20HP

CM085-100HP

CM085-500HP

CM085-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines



CONTENT

1 Product Specifications

2 Product Note

3 Storage/Shipping

4 Scientific Data

Recombinant 4-1BBL, Human, Animal-Free

Catalog#	CM085-5HP	CM085-20HP	CM085-100HP	CM085-500HP	CM085-1000HP
Size	5 ug	20 ug	100 ug	500 ug	1 mg

Product Specifications

Background 4-1BB ligand (4-1BBL) is a type II transmembrane protein that is part of the tumor necrosis factor (TNF) ligand family. As an inducible co-stimulatory molecule, it presents on several antigen presenting cell (APC) types, including B cells, macrophages and DCs. The interactions between 4-1BB and 4-1BBL trigger pleiotropic effects on the immune response including antigen presenting process, proliferation of CD4 and CD8 positive T-cells, as well as cytokine secretion from T-cells through NFκB, c-Jun, and p38 downstream signal pathways activation. Therefore, 4-1BB and 4-1BBL are recently used for the immunotherapy of cancer.

Synonyms 4-1BB ligand, CD137L, TNLG5A, TNFSF9, Tumor necrosis factor ligand superfamily member 9

Uniprot ID P41273

Molecular Weight The protein has a calculated MW of 20.4 kDa. The protein migrates as 20 kDa under reducing condition (SDS-PAGE analysis).

Expression System Escherichia coli

Purity >95% as determined by SDS-PAGE.

Activity Measure by its ability to induce IL-8 secretion in human PBMCs. The ED₅₀ for this effect is 1-5 ng/mL.

Endotoxin Level <0.1 EU per 1 μg of the protein by the LAL method.

Protein Sequence MREGPELSPDDPAGLLDLRQGMFAQLVAQNVLLIDGPLSWYSDPGLAGVSLTGGLSYKEDT KELVVAKAGVYYVFFQLELRRV VAGEGSGSVSLALHLQPLRSAAGAAALALTVDLPASSEARNSAFGFQGRLLHLSAGQRLGVHLHTEARARHAWQLTQGATVLGLFRVTPEIPAGLPSPRS E with polyhistidine tag at the C-terminus.

Form The protein was lyophilized from a 0.2 μm filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

Product Note

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 µg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Storage/Shipping

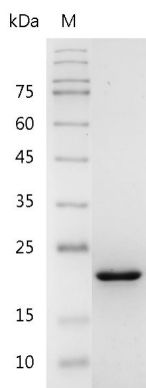
Stability & Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

Shipping

Blue Ice

Scientific Data



SDS- PAGE analysis of recombinant human 4-1BBL

For Research Use or Further Manufacturing Only

Chamot Biotechnology(Shanghai) Co., Ltd. www.chamot-bio.com

Tel: 021-51880030 Mail: info@chamot-bio.com QQ: 864920491