## 32-8769: Recombinant Human 4-1BB/TNFRSF9/CD137 (C-6His)

Gene : TNFRSF9
Gene ID: 3604
Uniprot ID : Q07011

## Description

Source: Human Cells.
MW :18.1kD.
Recombinant Human 4-1BB ligand receptor is produced by our Mammalian expression system and the target gene encoding Leu24-GIn186 is expressed with a 6 His tag at the C-terminus. Tumor necrosis factor receptor superfamily member 9 (TNFRSF9), also known as CD137 and 4-1BB, is an inducible T cell surface protein belonging to the tumor necrosis factor receptor superfamily. It is a single-pass type I membrane protein which contains 4 TNFR-Cys repeats. The human and mouse proteins share $60 \%$ amino acid sequence identity. CD137 is expressed by mesenchymal cells, including endothelial cells, chondrocytes, and cells of the central nervous system. CD137 is also broadly expressed by cells of the human immune system, is broadly expressed by cells of the human immune system, including activated CD8+ and CD4+ T cells, activated natural killer (NK) cells, follicular dendritic cells (FDCs) and monocytes. CD137 has diverse roles in the immune response, the one key function is to promote the survival of both $T$ cells and dendritic cells by binding the cognate ligand CD137L (4-1BBL).

## Product Info

Amount :
$10 \mu \mathrm{~g} / 50 \mu \mathrm{~g}$
Content : Lyophilized from a $0.2 \mu \mathrm{~m}$ filtered solution of PBS, pH7.4.
Lyophilized protein should be stored at $-20^{\circ} \mathrm{C}$, though stable at room temperature for 3 weeks.
Storage condition : $\quad$ Reconstituted protein solution can be stored at $4-7^{\circ} \mathrm{C}$ for $2-7$ days. Aliquots of reconstituted samples are stable at $-20^{\circ} \mathrm{C}$ for 3 months.
Amino Acid :
LQDPCSNCPAGTFCDNNRNQICSPCPPNSFSSAGGQRTCDICRQCKGVFRTRKECSSTSNAECD CTPGFHCLGAGCSMCEQDCKQGQELTKKGCKDCCFGTFNDQKRGICRPWTNCSLDGKSVLVNG TKERDVVCGPSPADLSPGASSVTPPAPAREPGHSPQHHHHHH

## Application Note

Endotoxin : Less than $0.1 \mathrm{ng} / \hat{A} \mu \mathrm{~g}(1 \mathrm{IEU} / \hat{A} \mu \mathrm{~g})$ as determined by LAL test.

