Datasheet for ABIN7505711

CD137 Protein (AA 1-186) (His tag)

Go to Product page

Overview

Quantity:	100 µg
Target:	CD137 (TNFRSF9)
Protein Characteristics:	AA 1-186
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD137 protein is labelled with His tag.

Product Details

Sequence:	Met1-Gln186
Characteristics:	A DNA sequence encoding the Human 4-1BB/CD137 protein (Q07011) (Met1-Gln186) was expressed with a C-His.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	CD137 (TNFRSF9)
Alternative Name:	4-1BB (TNFRSF9 Products)
Background:	Abbreviation: 4-1BB,CD137 Target Synonym: CD137,ILA,TNFRSF9,4-1BB ligand receptor,CDw137,T-cell antigen 4-1BB homolog,T-cell antigen ILA Background: Tumor necrosis factor receptor superfamily member 9(TNFRSF9), also known as

Target Details

	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).
Molecular Weight:	Calculated MW: 20.35 kDa Observed MW: 30 kDa
UniProt:	Q07011
Pathways:	Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	12 months