

32-7826: Recombinant Human CD7/Leu-9 (C-Fc)

Gene : CD7
Gene ID : 924
Uniprot ID : P09564

Description

Source: Human Cells.
MW :43.4kD.

Recombinant Human T-Cell Antigen CD7 is produced by our Mammalian expression system and the target gene encoding Ala26-Pro180 is expressed with a Fc tag at the C-terminus. T-Cell Antigen CD7 is a single-pass type I membrane protein that belongs to the immunoglobulin superfamily. Human CD7 is synthesized as a 240 amino acid precursor that contains a 25 amino acid signal sequence and a 215 amino acid mature chain with a Ig-like (immunoglobulin-like) domain. CD7 is normally expressed on all T-lymphocytes, NK-cells, pre-B lymphocytes and pleuripotent hematopoietic stem cells. CD7 plays an essential role in T-cell interactions, T-cell/B-cell interaction during early lymphoid development, T- and NK-cell activation and cytokine production. CD7 has been shown to interact with PIK3R1 and SECTM1. However, the function of the CD7 protein in the immune system is still largely unknown.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4 .
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : AQEVQQSPHCTTVPVGASVNITCSTSGGLRGIYLRQLGPQPQDIYYEDGVVPTDRRFRGRIDFSGSQDNLIT
MHLRLQLSDTGTYTCQAITEVNVYVYSGTLLVLTVEEQSQGWHRCS DAPPRASALPAPPTGSALPDPQTASALPDP
PAASALPDIEGRMDEPKSCDKHTCPPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFN
WYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVY
TLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNV
FCSVMHEALHNHYTQKSLSLSPGK

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.