

Recombinant Human CD7 (C-6His)

Catalog No: C516

Description Recombinant Human T-Cell Antigen CD7 is produced by our Mammalian expression system and the

target gene encoding Ala26-Pro180 is expressed with a 6His tag at the C-terminus.

Source Human Cells

Alternative name T-Cell Antigen CD7; GP40; T-Cell Leukemia Antigen; T-Cell Surface Antigen Leu-9; TP41; CD7

Accession No. P09564

Formulation Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

Quality Control Purity: Greater than 95% as determined by reducing SDS-PAGE.

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

Shipping The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

Storage 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.

Background T-Cell Antigen CD7 is a single-pass type I membrane protein that that belongs to the the

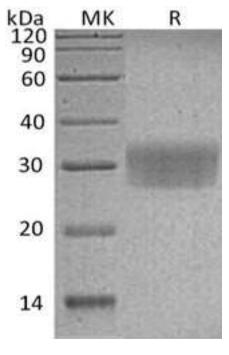
immunoglobulin superfamily. Human CD7 is synthesized as a 240 amino acid precursor that contains a 25 amino acid signal sequence and a 215 amino acid mature chain with a Ig-like (immunoglobulin-like)

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 PIK3R1and SECTM1. However, the function of the CD7 protein in the

immune system is still largely unknown.

SDS-Page



MK: Marker

R: Sample under reducing conditions

