

## 32-7468: Recombinant Human CD7/Leu-9 (C-6His)

**Gene :** CD7  
**Gene ID :** 924  
**Uniprot ID :** P09564

### Description

Source: Human Cells.  
MW :17.47kD.

Recombinant Human 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. 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 20mM PB, 150mM NaCl, pH 7.2.  
**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  
MHLRLQLSDTGTYTCQAITEVNVYGSGLVTLVTEEQSQGWHRCS DAPPRASALPAPPTGSALPDPQTASALPDP  
PAASALPVDHHHHHHH

### 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 ddH<sub>2</sub>O. 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.