

**Product Name: Recombinant Human CD7 (C-6His)**  
**Catalog #: PHH0366**



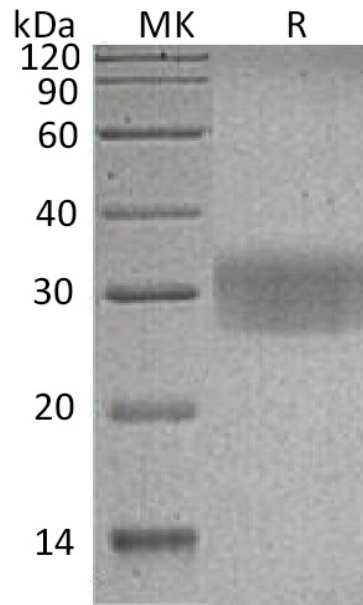
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## Summary

<b>Name</b>	CD7/Leu-9/T-Cell Antigen CD7/GP40/T-Cell Surface Antigen Leu-9/TP41
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	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.
<b>Accession #</b>	P09564
<b>Host</b>	Human Cells
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	17.47 KDa
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SDS-PAGE image

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### **Alternative Names**

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

### **Background**

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.

### **Note**

For Research Use Only , Not for Diagnostic Use.