

## Product datasheet for **TP728061**

### CD7 Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Biotinylated Human CD7 (C-6His-Avi)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ala26 <sup>Pro</sup> 180
Tag:	C-6His-Avi
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS,pH7.4.
Note:	Biotinylated Recombinant Human T-Cell Antigen CD7 is produced by our Mammalian expression system and the target gene encoding Ala26 <sup>Pro</sup> 180 is expressed with a 6His, Avi tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	924
UniProt ID:	<a href="#">P09564</a>
Summary:	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 PIK3R1 and SECTM1. However, the function of the CD7 protein in the immune system is still largely unknown.



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