

# Recombinant Human CD81 Protein, hlgG-His-tagged

**Cat. No.** CD81-214H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human CD81(113-201aa) fused with hlgG-His tag at C-terminal was expressed in Insect cells.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	113-201aa
<b>Description</b>	CD81, also known as CD81 antigen isoform 1, belongs to the tetraspanin family. It interacts directly with immunoglobulin superfamily member 8 (IGSF8, CD316) and CD36. In B cells, it is part of a complex with CD21, CD19 and Leu13. This complex reduces the threshold for B cell activation through B cell receptors by linking Ag specific recognition and CD21 mediator recognition. On T cells it associates with CD4 and CD8 and provides a costimulatory signal with CD3.
<b>Form</b>	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
<b>Molecular Mass</b>	37.0kDa (331aa) 40-57kDa (SDS-PAGE under reducing conditions)
<b>AA Sequence</b>	ADPFVNKDQI AKDVKQFYDQ ALQQA VVDDD ANNAKAVVKT FHETLDCCGS STLTALTTSV LKNNLCPSGS NIISNLFKED CHQKIDDLFS GKLEPKSCDK THTCPPCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTLP

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PSRDELTKNQ VSLTCLVKGF YPSDIAVEWE SNGQPENNYK  
 TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMHEAL HNHYTQKSLS  
 LSPGKHHHHH H

**Purity** > 95% by SDS - PAGE

**Applications** SDS-PAGE

**Storage** Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

**Concentration** 0.5mg/ml (determined by Absorbance at 280nm)

## GENE INFORMATION

**Gene Name** [CD81 CD81 molecule \[ Homo sapiens \]](#)

**Official Symbol** [CD81](#)

**Synonyms** CD81; CD81 molecule; CD81 antigen (target of antiproliferative 1) , TAPA1; CD81 antigen; TAPA 1; TSPAN28; tspan-28; tetraspanin-28; 26 kDa cell surface protein TAPA-1; CD81 antigen (target of antiproliferative 1); S5.7; CVID6; TAPA1;

**Gene ID** [975](#)

**mRNA Refseq** [NM\\_004356](#)

**Protein Refseq** [NP\\_004347](#)

**MIM** [186845](#)

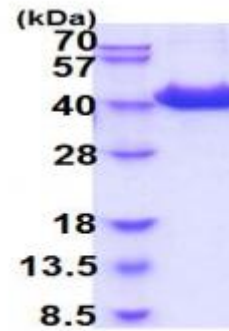
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UniProt ID

P60033



15% SDS-PAGE (3ug)

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