

Recombinant Human CD81 Protein, hlgG-His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human CD81(113-201aa) fused with hlgG-His tag at C-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	113-201aa
Description	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.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	37.0kDa (331aa) 40-57kDa (SDS-PAGE under reducing conditions)
AA Sequence	ADPFVNKDQI AKDVKQFYDQ ALQQAVVDDD ANNAKAVVKT FHETLDCCGS STLTALTTSV LKNNLCPSGS NIISNLFKED CHQKIDDLFS GKLEPKSCDK THTCPPCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTLF

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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

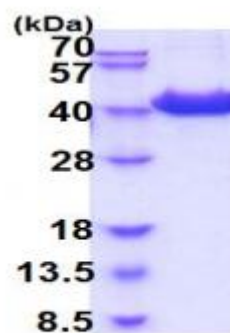
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UniProt ID

P60033



15% SDS-PAGE (3ug)

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