

## Recombinant Human CD81 protein, His & T7-tagged

Cat. No. CD81-1555H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CD81 aa. (Phe113~Lys201 (Accession # P60033)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Phe113~Lys201
<b>Description</b>	<p>The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. This protein appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. This gene is localized in the tumor-suppressor gene region and thus it is a candidate gene for malignancies. Two transcript variants encoding different isoforms have been found for this gene.</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 13.4kDa.
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method).

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<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 5.1.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
<b>Reconstitution</b>	Reconstitute in sterile ddH <sub>2</sub> O.

## GENE INFORMATION

<b>Gene Name</b>	CD81 CD81 molecule [ Homo sapiens (human) ]
<b>Official Symbol</b>	CD81
<b>Synonyms</b>	S5.7; CVID6; TAPA1; TSPAN28; 26 kDa cell surface protein TAPA-1; CD81 antigen (target of antiproliferative antibody 1); tetraspanin-28; tspan-28; CD81 antigen
<b>Gene ID</b>	975
<b>mRNA Refseq</b>	NM_001297649.1

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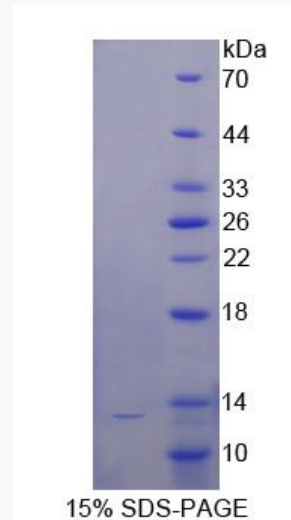
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**Protein Refseq** NP\_001284578.1

**UniProt ID** P60033

**SDS-PAGE**



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