

Recombinant Human CD81 protein, His & T7-tagged

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

SPECIFICATION

Product Overview	Recombinant Human CD81 aa. (Phe113~Lys201 (Accession # P60033)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Phe113~Lys201
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 13.4kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method).

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Purity	>95%
Characteristic	The isoelectric point is 5.1.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.

GENE INFORMATION

Gene Name	CD81 CD81 molecule [Homo sapiens (human)]
Official Symbol	CD81
Synonyms	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
Gene ID	975
mRNA Refseq	NM_001297649.1

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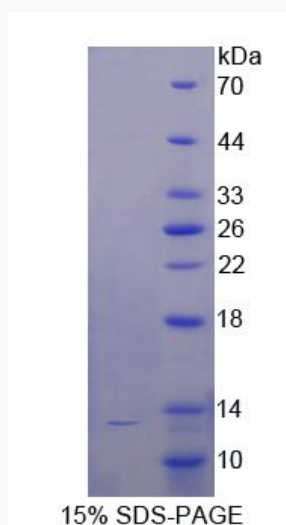
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Protein Refseq NP_001284578.1

UniProt ID P60033

SDS-PAGE



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