

Recombinant Human CD151 Protein, C-His-tagged

Cat. No. CD151-211H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD151 Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	CD151 (PETA-3, SFA-1) is a member of the evolutionarily conserved tetraspanin family of multipass glycoproteins (TM4SF), highlighted by four transmembrane domains, two extracellular loops, and N/C-termini that reside within the cytoplasm. Identified as the first member of the tetraspanin family to be implicated in tumorigenesis, research studies have demonstrated that CD151 participates in tumor neovascularization, tumor cell cell invasion, and cell adhesion. Furthermore, a positive correlation exists between CD151 expression levels and poor prognosis for tumors of the lung, kidney, and prostate. CD151 is localized predominantly to the plasma membrane and research studies have demonstrated that CD151 exerts its pro-tumorigenic effects, in part, through the modulation of laminin-binding integrins and oncogenic receptor tyrosine kinases, such as c-Met and EGFR.
Molecular Mass	~12 kDa
AA Sequence	AYYQQLNTELKENLKDTMTKRYHQPGHEAVTSAVDQLQQEFHCCGSNNSQDWRD SEWIRSQEAGGRVVPDSCCKTVVALCGQRDHASNIYKVEGGCITKLETFIQEHLR
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

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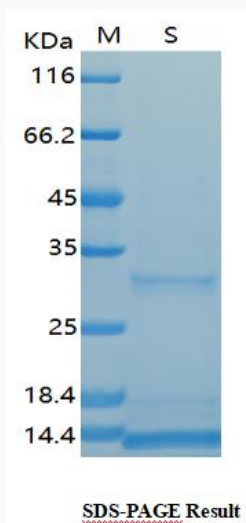
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4
GENE INFORMATION	
Gene Name	CD151 CD151 molecule (Raph blood group) [Homo sapiens (human)]
Official Symbol	CD151
Synonyms	CD151; CD151 molecule (Raph blood group); CD151 antigen , CD151 antigen (Raph blood group); CD151 antigen; PETA 3; RAPH; SFA 1; TSPAN24; tspan-24; tetraspanin-24; membrane glycoprotein SFA-1; CD151 antigen (Raph blood group); hemidesmosomal tetraspanin CD151; platelet surface glycoprotein gp27; platelet-endothelial tetraspan antigen 3; platelet-endothelial cell tetraspan antigen 3; GP27; MER2; SFA1; PETA-3;
Gene ID	977
mRNA Refseq	NM_001039490
Protein Refseq	NP_001034579
MIM	602243
UniProt ID	P48509

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SDS-PAGE



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