

CD81 recombinant protein

CD81 Protein, Mouse, Recombinant (His Tag)

CATALOG #
AAA258201

HOST
HEK293 Cells

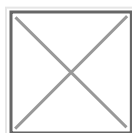
PRODUCT SYNONYMS

CD81; CD81 Protein; Mouse; Recombinant (His Tag); Mouse CD81/TAPA1 Protein (His Tag); Tapa-1 Protein; Tapa1 Protein; Tspan28 Protein; CD81 molecule; CD81 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>94% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH7.4 , 5% trehalose / mannitol and 0.01% Tween80.
Sequence	Lys106-Lys 211
Species	Mouse
Endotoxin	<1.0EU per ug protein as determined by the LAL method.
Predicted N Terminal	His
Protein Construction	A DNA sequence encoding the mouse Cd81 (NP_598416.1)(Lys106-Lys211) was expressed with a polyhistidine tag at the N-terminus.
Reconstitution	It is recommended that sterile water (330ul) be added to the vial to prepare a stock solution of 0.15mg/mL. Concentration is measured by BCA Method.
Preparation and Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CD81 recombinant protein	Background: CD81, also known as TAPA-1, belongs to the transmembrane 4 superfamily, also known as the tetraspanin family. Members of this family mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. CD81 is a widely expressed cell-surface protein involved in an astonishing variety of biologic responses. It is related to adhesion, morphology, activation, proliferation, and differentiation of B, T, and other cells. On B cells CD81 is part of a complex with CD21, CD19, and Leu13. This complex reduces the threshold for B cell activation via the B cell receptor by bridging Ag specific recognition and CD21-mediated complement recognition.
References	Petracca R. et al., 2000, J Virol. 74 (10): 4824-30. Bartosch B. et al., 2003, The Journal of Biological Chemistry. 278 (43): 41624-30. Clark KL. et al., 2001, Journal of Immunology. 167 (9): 5115-21.

NCBI AND UNIPROT INFORMATION

NCBI GI #	19526794
NCBI GeneID	12520
NCBI Accession #	NP_598416.1
NCBI GenBank Nucleotide #	NM_133655.2
UniProt Accession #	P35762; Q91V78
Molecular Weight	The recombinant mouse Cd81 consists of 105 amino acids and predicts a molecular mass of 11.8 kD
NCBI Official Full Name	CD81 antigen
NCBI Official Synonym Full Names	CD81 antigen
NCBI Official Symbol	Cd81
NCBI Official Synonym Symbols	Tapa1; Tapa-1; Tspan28
NCBI Protein Information	CD81 antigen; 26 kDa cell surface protein TAPA-1; target of the antiproliferative antibody 1
UniProt Protein Name	CD81 antigen
UniProt Gene Name	Cd81
UniProt Synonym Gene Names	Tapa1
UniProt Entry Name	CD81_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cd81-recombinant-protein-hek293-cells/258201>