

Recombinant Human CD9 protein, His-tagged

Cat. No. CD9-3867H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD9 (Ser112-Ile195) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Ser112-Ile195
Description	CD9 antigen is also known as tetraspanin-29 (TSPAN29), 5H9 antigen, Leukocyte antigen MIC3 (MIC3), Motility-related protein, is a multi-pass membrane protein which belongs to the tetraspanin (TM4SF) family or the transmembrane 4 superfamily. CD9 is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. TSPAN29 is found on the surface of exosomes. MIC3 Involved in platelet activation and aggregation, regulates paranodal junction formation and also Involved in cell adhesion, cell motility and tumor metastasis. CD9 antigen also seems to be a key part in the egg-sperm fusion during mammalian fertilization.
Predicted N Terminal	Ser112
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 11.6 kDa. The protein migrates as 12 kDa under reducing (R) condition (SDS-PAGE).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CD9
Official Symbol	CD9
Synonyms	CD9; CD9 molecule; CD9 antigen (p24) , MIC3; CD9 antigen; BA2; motility related protein 1; MRP 1; P24; TSPAN29; 5H9 antigen; tetraspanin-29; BA-2/p24 antigen; CD9 antigen (p24); leukocyte antigen MIC3; motility related protein-1; cell growth-inhibiting gene 2 protein; MIC3; MRP-1; BTCC-1; DRAP-27; TSPAN-29; FLJ99568
Gene ID	928
mRNA Refseq	NM_001769
Protein Refseq	NP_001760

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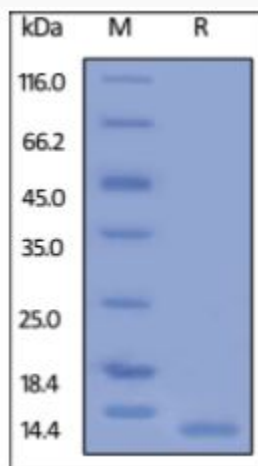
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MIM 143030

UniProt ID P21926

SDS-PAGE of CD9-3867H



Human CD9, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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