Recombinant Human CD9 Molecule

Cat. No. CD9-4269H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CD9 Human Recombinant full length protein (228 a.a.) expressed in E.coli, shows a 52 kDa band on SDS-PAGE (Including GST which is dused at the N-terminus). The CD9 is purified by proprietary chromatographic techniques.
Species	Human
Source	Human
Description	CD9 antigen is a 24 to 27kD glycoprotein expressed on the surface of developing B lymphocytes, platelets, monocytes, eosinophils, basophils, stimulated T lymphocytes and by neurons and glial cells in the peripheral nervous system. In pre-B cells and platelets, CD9 antigen regulates cell activation aggregation possibly through an association with the integrin CD41/CD61. It also regulates cell motility in a variety of cell lines, and appears to be an important regulator of Schwann cell behaviour in peripheral nerve.
Form	CD9 at 100μg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.
Physical Appearance	Sterile Filtered clear solution.
Storage	Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months. Please prevent freeze-thaw cycles.
Full Length	Full L.

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GENE INFORMATION

Gene Name	CD9 CD9 molecule [Homo sapiens]
Official Symbol	CD9
Synonyms	CD9; CD9 molecule; MIC3; MRP-1; BTCC-1; DRAP-27; TSPAN29; FLJ99568; TSPAN-29; CD9 antigen; 5H9 antigen; tetraspanin-29; BA-2/p24 antigen; CD9 antigen (p24); OTTHUMP00000041574; OTTHUMP00000041575; OTTHUMP00000041576; OTTHUMP00000238624; leukocyte antigen MIC3; motility related protein-1; cell growth-inhibiting gene 2 protein; BA2; P24; Cell growth-inhibiting gene 2 protein; Leukocyte antigen MIC3; Motility-related protein; Tetraspanin-29; p24; GIG2; Tspan-29
Gene ID	928
mRNA Refseq	NM_001769
Protein Refseq	NP_001760
MIM	143030
UniProt ID	P21926
Chromosome Location	12p13.3
Pathway	Formation of Platelet plug; Hematopoietic cell lineage; Hemostasis; Platelet Activation; Platelet degranulation; Response to elevated platelet cytosolic Ca2+; a6b1 and a6b4 Integrin signaling

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Function	integrin binding; protein binding

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