CD9 Antigen (CD9) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	CD9 antigen (Cd9), Recombinant Protein
Full Product Name	Recombinant Mouse CD9 antigen (Cd9)
Product Gene Name	Cd9 recombinant protein
Sequence	MPVKGGSKCI KYLLFGFNFI FWLAGIAVLA IGLWLRFDSQ TKSIFEQENN HSSFYTGVYI LIGAGALMML VGFLGCCGAV QESQCMLGLF FGFLLVIFAI EIAAAVWGYT HKDEVIKELQ EFYKDTYQKL RSKDEPQRET LKAIHMALDC CGIAGPLEQF ISDTCPKKQL LESFQVKPCP EAISEVFNNK FHIIGAVGIG IAVVMIFGMI FSMILCCAIR RSREMV
Host	Cell Free Expression
Form/Format	Liquid containing glycerol
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.
Molecular Weight	25,258 Da
Sequence Positions	1-226aa; Full Length
3D Structure	ModBase 3D Structure for P40240
Species	Mouse
Tag information	N-terminal 10xHis-tagged.
Product Categories/Family for Cd9 recombinant protein	Transmembrane Protein
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Application Notes for Cd9 recombinant protein	This is a recombinant transmembrane protein expressed in a cell-free expression system.
Related Product Information for Cd9 recombinant protein	MBS7011194 is a recombinant protein targeting Cd9. Also known as Recombinant Mouse CD9 antigen (Cd9). Host: Cell Free Expression.
Other Notes	Small volumes of Cd9 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Cd9. It may not necessarily be applicable to this product.

NCBI GI #	6680894
NCBI GeneID	12527
NCBI Accession #	NP_031683.1
UniProt Primary Accession #	P40240
UniProt Secondary Accession #	Q3U9W0
UniProt Related Accession #	P40240

GenBank Nucleotide #	NM_007657.3
NCBI Official Full Name	CD9 antigen
NCBI Official Synonym Full Names	CD9 antigen
NCBI Official Symbol	Cd9
NCBI Official Synonym Symbols	Tspan29
UniProt Protein Name	CD9 antigen
UniProt Synonym Protein Names	CD_antigen: CD9
Protein Family	CD9 antigen
UniProt Gene Name	Cd9
UniProt Entry Name	CD9_MOUSE
NCBI Protein Information	CD9 antigen
UniProt Comments for Cd9	CD9: Involved in platelet activation and aggregation. Regulates paranodal junction formation. Involved in cell adhesion, cell motility and tumor metastasis. Required for sperm-egg fusion. Belongs to the tetraspanin (TM4SF) family. Protein type: Membrane protein, multi-pass; Membrane protein, integral; Cell adhesion; Motility/polarity/chemotaxis Cellular Component: apical plasma membrane; cell surface; external side of plasma membrane; extracellular region; extracellular space; focal adhesion; integral to membrane; integral to plasma membrane; membrane; plasma membrane Molecular Function: integrin binding; protein binding Biological Process: cell adhesion; cell motility; cell surface receptor linked signal transduction; fusion of sperm to egg plasma membrane; negative regulation of cell proliferation; paranodal junction assembly; receptor internalization; single fertilization
Research Articles on Cd9	**1.** upregulation may play an important role in podocyte morphology, adhesion, and migration
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