

Active Recombinant Human CD9 Protein, Fc-tagged

Cat. No. CD9-02H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD9 Protein, fused to Fc-tag, was expressed in CHO Cells.
Species	Human
Source	CHO
Description	This gene encodes a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Tetraspanins are cell surface glycoproteins with four transmembrane domains that form multimeric complexes with other cell surface proteins. The encoded protein functions in many cellular processes including differentiation, adhesion, and signal transduction, and expression of this gene plays a critical role in the suppression of cancer cell motility and metastasis.
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	Measured by its binding ability in a functional ELISA. When Recombinant Human CD9 Fc Chimera is immobilized at 1 µg/mL (100 µL/well), Biotinylated Recombinant Human CD81 Fc Chimera binds with an ED50 of 2-10 µg/mL.
Molecular Mass	Predicted Molecular Mass: 36.3 kDa SDS-PAGE: 38-42 kDa, reducing conditions
N-terminal Sequence Analysis	MD + Pro100

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Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.
Purity	>95%
Applications	Bioactivity
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, ≤ -20 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, ≤ -20 centigrade under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 500 µg/mL in PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
tmpcolum67	CD9 molecule

GENE INFORMATION

Gene Name	CD9 CD9 molecule [Homo sapiens (human)]
Official Symbol	CD9
Synonyms	MIC3; MRP-1; BTCC-1; DRAP-27; TSPAN29; TSPAN-29
Gene ID	928
mRNA Refseq	NM_001769
Protein Refseq	NP_001760

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MIM	143030
UniProt ID	P21926
Binding Activity	When Recombinant Human CD9 Fc Chimera is immobilized at 1 μ g/mL, Biotinylated Recombinant CD81 Fc Chimera binds with an ED50 of 210 μ g/mL.
SDS-PAGE	2 μ g/lane of Recombinant Human CD9 was resolved with SDS-PAGE under reducing® and nonreducing(NR) conditions and visualized by Coomassie® Blue staining, showing bands at 3842 kDa and 7585 kDa, respectively.

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