

**Synonym**

CD9, MIC3, TSPAN29, GIG2, MRP1, BTCC1, DRAP27, 5H9

**Source**

Human CD9, His Tag(CD9-H5220) is expressed from human 293 cells (HEK293). It contains AA Ser 112 - Ile 195 (Accession # [P21926-1](#)).

Predicted N-terminus: Ser 112

**Molecular Characterization**

|                        |          |          |
|------------------------|----------|----------|
| CD9(Ser 112 - Ile 195) | P21926-1 | Poly-his |
|------------------------|----------|----------|

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 11.6 kDa. The protein migrates as 12 kDa under reducing (R) condition (SDS-PAGE).

**Endotoxin**

Less than 1.0 EU per  $\mu$ g by the LAL method / rFC method.

**Purity**

>95% as determined by SDS-PAGE.

**Formulation**

Lyophilized from 0.22  $\mu$ m filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

**Reconstitution**

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

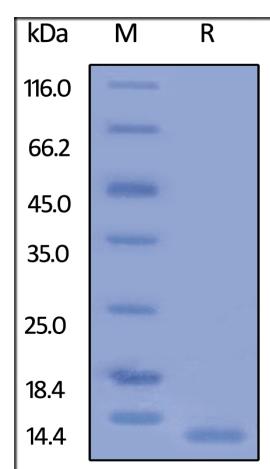
**Storage**

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

**SDS-PAGE**

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

**Background**

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

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## Human CD9 Protein, His Tag

Catalog # CD9-H5220



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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.

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