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## Product Data Sheet

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Product Name: CD9 Human, HEK

Cat. No.: GP26236

Batch No.: 1

**Product Data**

Purity	>98%	Source	HEK293 Cells.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	CD9 antigen, BA2, BTCC-1, DRAP-27, MRP-1, MIC3, TSPAN-29, TSPAN29, 5H9 antigen, Cell growth-inhibiting gene 2 protein, Leukocyte antigen MIC3, p24, CD9 antigen isoform1.		
Amino Acid Sequence	DGSSHKDEVI KEVQEFYKDT YNKLKTKDEP QRETLKAIHY ALNCCGLAGG VEQFISDICP KKDVLFTFTV KSCPDAIKEV FDNKFHIIHH HHH		
Formulation	The CD9 solution (1mg/1ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.		

**Introduction**

CD9 which is found on the surface of exosomes is a cell surface glycoprotein which is interacts with integrins and various transmembrane superfamily proteins. CD9 is involved in platelet activation and aggregation and also regulates paranodal junction formation. CD9 takes part in cell adhesion and migration and also promotes muscle cell fusion. CD9 is necessary for the egg-sperm fusion during mammalian fertilization.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Background**

CD9 Human Recombinant produced in HEK293 Cells is a single, glycosylated polypeptide chain containing 93 amino acids (112-195a.a) and having a molecular mass of 10.7kDa. CD9 is fused to 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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