
Product Data Sheet

Product Name: CD9 Human, Sf9

Cat. No.: GP26235

Batch No.: 1

Product Data

Purity >98% Source Sf9, Baculovirus cells.

Physical Appearance solid Shipping Condition withIcePacks

Synonyms CD9 antigen, 5H9 antigen, Cell growth-inhibiting gene 2 protein, Leukocyte antigen MIC3, Motility-related protein, CD9, MRP-1, Tetraspanin-29, Tspan-29, p24, MIC3, TSPAN29, GIG2, BTCC-1, DRAP-27, TSPAN-29

Amino Acid Sequence
ADPSHKDEVI KEVQEFYKDT YNKLKTKDEP QRETLKAIHY ALNCCGLAGG
VEQFISDICP KKDVLFTFTV KSCPDAIKEV FDNKFHILEP KSCDKTHTCP
PCPAPELLGG PSVFLFPPKP KDTLMISRTP EVTCVVVDVS HEDPEVKFNW
YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLNQDQWLNGK EYKCKVSNKA
LPAPIEKTIS KAKGQPREPQ VYTLPPSRDE LTKNQVSLTC LVKGFYPSDI
AVEWESNGQP ENNYKTTTPV LQSDGSFFLY SKLTVDKSRW QQGNVFSCSV
MHEALHNHYT QKSLSLSPGK HHHHHH

Formulation CD9 protein solution (1mg/ml) contains 10% glycerol and Phosphate-Buffered Saline (pH 7.4).

Introduction

CD9 which is found on the surface of exosomes is a cell surface glycoprotein which 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.

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

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Background

CD9 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 326 amino acids (112-195a.a.) and having a molecular mass of 36.9kDa. CD9 is expressed with a 239 amino acid hIgG-His-Tag at C-Terminus and purified by proprietary chromatographic techniques.

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