OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

AR51790PU-N Human CD9 (112-195, His-tag) - Purified

Alternate names: 5H9 antigen, Cell growth-inhibiting gene 2 protein, GIG2, Leukocyte antigen MIC3, MIC3, Motility-related protein, TSPAN29, Tetraspanin-29, p24

Quantity: 0.5 mg

Concentration: 0.25 mg/ml (determined by Bradford assay)

Background: CD9, also known as CD9 antigen, is a protein that in humans is encoded by the CD9 gene. CD9 is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. It is found on the surface of exosomes. It can modulate cell adhesion and migration and also trigger platelet activation and aggregation. In addition, the protein appears to promote muscle cell fusion and support myotube maintenance. This protein also seems to be a key part in the egg-sperm fusion during mammalian fertilization, as CD9 knocked-out mice gametes don't undergo fusion.

Uniprot ID: P21926

NCBI: NP_001760

GeneID: 928

Species: Human

Source: E. coli

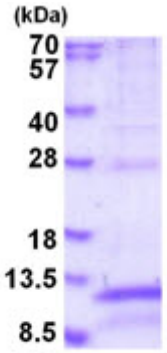
Format:
State: Liquid purified protein
Purity: >85% by SDS - PAGE
Buffer System: Phosphate buffer saline (pH 7.4) containing 20% glycerol, 1mM DTT.

Description: Recombinant human CD9, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MGSSHKDEVI KEVQEFYKDT YNKLKTKDEP QRETLKAIHY ALNCCGLAGG VEQFISDICP KKDVLETFTV KSCPDAIKEV FDNKFHI
Molecular weight: 12 kDa (107aa) confirmed by MALDI-TOF.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings: Horváth G, Serru V, et al. (1998). J Biol Chem. 273(46):30537-43. Charrin S, Le Naour F, et al. (2001). J Biol Chem.276(17):14329-37.

Pictures:



15% SDS-PAGE (3ug)