

Recombinant human CD9 protein

Catalog Number: ATGP4064

PRODUCT INFORMATION

Expression system

HEK293

Domain

112-195aa

UniProt No.

P21926

NCBI Accession No.

NP_001760.1

Alternative Names

CD9 antigen, BTCC-1, DRAP-27, MIC3, MRP-1, TSPAN-29, TSPAN29, BA2,5H9 antigen, Cell growth-inhibiting gene 2 protein, Leukocyte antigen MIC3,p24, CD9 antigen isoform1

PRODUCT SPECIFICATION

Molecular Weight

10.7kDa (93aa)

Concentration

1mg/ml (determined by Absorbance at 280nm)

Formulation

Liquid. In Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol.

Purity

> 90% by SDS - PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CD9, also known as TSPAN-29, is a member of tetraspanin family. 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. It seems CD9 has a varying

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role in different types of cancers. The over expression of CD9 was shown to decrease metastasis in certain types of melanoma, breast, lung, pancreas and colon carcinomas. However in other studies, CD9 has been shown to increase migration or be highly expressed in metastatic cancers in various cell lines such as lung cancer, scirrhus-type gastric cancer, hepatocellular carcinoma, acute lymphoblastic leukemia and breast cancer. Recombinant human CD9, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques

Amino acid Sequence

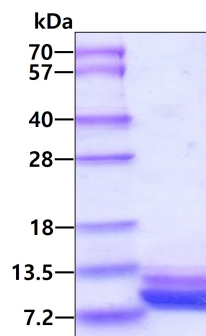
<DGS>SHKDEVI KEVQEFYKDT YNKLKTKDEP QRETLKAIHY ALNCCGLAGG VEQFISDICP KKDVLLETFTV KSCPDAIKEV FDNKFHI<HHH HHH>

General References

- Sara J, Eileen M, et al. (2001). Thromb Haemost. 85(1):134-141.
- Rubinstein E, Billard M, et al. (1993). Thrombosis Research. 71 (5): 377-383.
- Blake DJ, Martiszus JD, et al. (2018). Cytokine. 111: 567-570.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain