

CD9 recombinant protein

Recombinant human CD9 protein

CATALOG # AAA48389	HOST Baculovirus	APPLICATIONS SDS-Page
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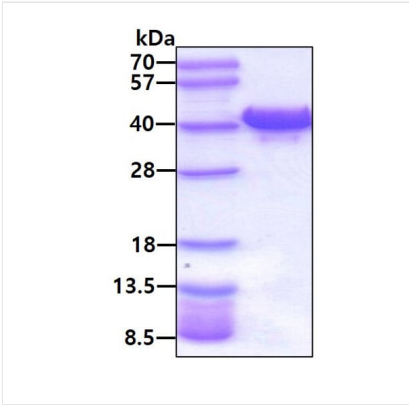
PRODUCT SYNONYMS

CD9; Recombinant human CD9 protein; 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; CD9 recombinant protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	>95% by SDS-PAGE
Form/Format	Liquid. In Phosphate-Buffered Saline (pH7.4) containing 10% glycerol.
Concentration	1mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence Positions	112-195aa
Sequence	SHKDE VKEVQEFYK DTYNKLKTKD EPQRETLKAI HYALNCCGLA GGVEQFISDI CPKKDVLETF TVKSCPDAIK EVFDNKFHI< LEPKSCDKTH TCPPCPAPEL LGGPSVFLFP PKPKDTLMIS RTPEVTCVVV DVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVS VLTVLHQDWL NGKEYKCKVS NKALPAPIEK TISKAKGQPR EPQVYTLPPS RDELTKNQVS LTCLVKGFYP SDIAVEWESN GQPENNYKTT PPVLDSDGSF FLYSKLTVDK SRWQQGNVFS CSVMHEALHN HYTQKSLSLS PGKHHHHHH>
Applicable Applications for CD9 recombinant protein	SDS-PAGE
Endotoxin	<1 EU per 1ug of protein (determined by LAL method)
Tag	hIgG-His-Tag
Domain	112-195aa
Expression System	Baculovirus
Preparation and Storage	Can be stored at +2C to +8 degree C for 1 week. For long term storage, aliquot and store at -20C to -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



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

ADDITIONAL INFORMATION

Related Product Information for CD9 recombinant protein	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 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, scirrhous-type gastric cancer, hepatocellular carcinoma, acute lymphoblastic leukemia and breast cancer. Recombinant human CD9, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Product Categories/Family for CD9 recombinant protein	Cardiovascular; Proteins
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, Martisusz JD, et al. (2018). Cytokine. 111: 567-570.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502693
NCBI GeneID	928
NCBI Accession #	NP_001760.1
NCBI GenBank Nucleotide #	NM_001769.3
UniProt Accession #	P21926; Q5J7W6; Q96ES4; D3DUQ9
Molecular Weight	36.9 kDa
NCBI Official Full Name	CD9 antigen
NCBI Official Synonym Full Names	CD9 molecule
NCBI Official Symbol	CD9
NCBI Official Synonym Symbols	MIC3; MRP-1; BTCC-1; DRAP-27; TSPAN29; TSPAN-29
NCBI Protein Information	CD9 antigen
UniProt Protein Name	CD9 antigen
UniProt Gene Name	CD9
UniProt Synonym Gene Names	MIC3; TSPAN29; MRP-1; Tspan-29

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cd9-recombinant-protein-baculovirus-sds-page/48389>