

Multimerin 1 (MMRN1) Active Protein | MMRN1 active protein

Active Multimerin 1 (MMRN1)

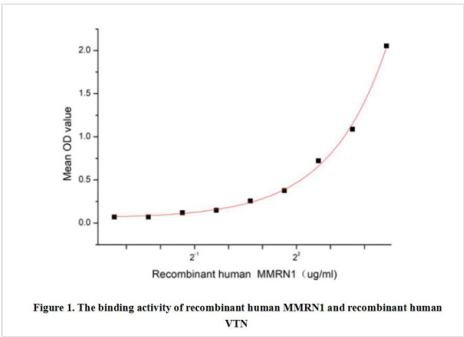
CATALOG # AAA161892	HOST E Coli	APPLICATIONS Activity Assay, Cell Culture
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PRODUCT SYNONYMS

Multimerin 1 (MMRN1); Active Multimerin 1 (MMRN1); Multimerin 1; ECM; EMILIN4; GPIa; MMRN; Glycoprotein Ia; Elastin microfibril interface located protein 4; Endothelial cell multimerin; Platelet glycoprotein Ia; 155 kDa platelet multimerin4; MMRN1 active protein

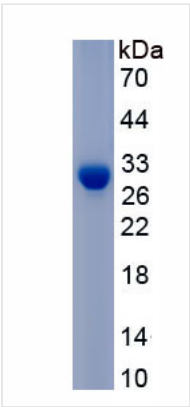
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95% by SDS-PAGE
Form/Format	Freeze-dried powder; PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Sequence	Ala807~Gly 1053
Applicable Applications for MMRN1 active protein	Activity Assay, Cell Culture
Species	Human
Expression System	Prokaryotic expression
Tag	N-terminal His Tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Isoelectric Point	9.4
Research Area	Hematology
Preparation and Storage	Store at 2-8 degree C for one month, -80 degree C for 12 months



Bioactivity

Multimerin 1 (MMRN1) is a secreted glycoprotein that consists of multiple subunits, forming a complex with a molecular weight of approximately 150 kDa. MMRN1 is a member of the multimerin family and it is mainly expressed in platelets and endothelial cells. MMRN1 plays an important role in maintaining vascular integrity, regulating clotting and inflammatory responses, among others. In addition, the binding of MMRN1 to Vitronectin (VTN) plays an important role in a variety of physiological and pathological processes, including cell adhesion, migration, blood coagulation, and cell signaling. Thus a functional binding ELISA assay was conducted to detect the interaction of recombinant human MMRN1 and recombinant human VTN. Briefly, MMRN1 was diluted serially in PBS with 0.01% BSA (pH 7.4). Duplicate samples of 100 ul were then transferred to VTN-coated microtiter wells and incubated for 1h at 37 degree C. Wells were washed with PBST and incubated for 1h with anti-MMRN1 pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody for 1h at 37 degree C, wells were aspirated and washed 5 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37 degree C. Finally, add 50 uL stop solution to the wells and read at 450/630 nm immediately. The binding activity of recombinant human MMRN1 and recombinant human VTN was shown in Figure 1, and this effect was in a dose dependent manner.



SDS-PAGE

Figure. SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for MMRN1 active protein	Active proteins
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45269141
NCBI GeneID	22915
NCBI Accession #	NP_031377.2
NCBI GenBank Nucleotide #	NM_007351.2
UniProt Accession #	Q13201; Q4W5L1; Q6P3T8; Q6ZUL9
Molecular Weight	58,170 Da
NCBI Official Full Name	multimerin-1
NCBI Official Synonym Full Names	multimerin 1
NCBI Official Symbol	MMRN1
NCBI Official Synonym Symbols	ECM; MMRN; GPIa*; EMILIN4
NCBI Protein Information	multimerin-1
UniProt Protein Name	Multimerin-1
UniProt Gene Name	MMRN1
UniProt Synonym Gene Names	ECM; EMILIN4; GPIA*; MMRN; Elastin microfibril interfacer 4; p-155; p155

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/e-coli-active-protein/multimerin-1-mmrn1/161892>