

Recombinant Human MMRN1, His-tagged

Cat. No. MMRN1-150H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Multimerin-1/MMRN1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Leu20-Thr1228) of Human MMRN1 fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	20-1228 a.a.
Description	Multimerin-1 (MMRN1) is a massive soluble protein found in platelets and in the endothelium of blood vessels. It contains one C1q domain, one EGF-like domain, and one EMI domain. MMRN1 is comprised of subunits linked by interchain disulfide bonds to form large, variably sized homomultimers. MMRN1 is a factor V/Va-binding protein and may function as a carrier protein for platelet factor V. Upon release following platelet activation, may limit platelet and plasma factor Va-dependent thrombin generation. MMRN1 may also have functions as an extracellular matrix or adhesive protein.
AA Sequence	LNNSKHSWTIPEDGNSQKTMPASVPPNKIQSLQILPTTRVMSAEIATTPEARTSEDS LLKSTLP PSETSAPAEGVNRNQLTSTEKAEGVVKLQNLTLPTNASIKFNPGAESVVL SNSTLKFLQSFARKS NEQATSLNTVGGTGGIGGVGGTGGVGNRAPRETYLSRGDS SSSQRTDYQKSNFETTRGKNWCAYV HTRLSPTVILDNQVTYVPGGKGPCGWTGG SCPQRSQKISNPVYRMQHKIVTSLDWRCPPGYSGPK CQLRAQEQQSLIHTNQAES

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HTAVGRGVAEQQQQCGDPEVMQKMTDQVNYQAMKLTLLQKKIDN ISLTVNDV
 RNTYSSLEGKVSEDKSREFQSLLKGLKSKSINVLIRDIVREQFKIFQNDMQETVAQL F
 KTVSSLESDLESTRQIIQKVNESVVSIAAQQKFVLVQENRPTLTDIVELRNHIVNRQE
 MTLTC EKPIKELEVQKTHLEGALEQEHSRSILYYESLNKTL SKLKEVHEQLLSTEQVS
 DQKNAPAAESVS NNVTEYMSTLHENIKKQSLMMLQMFEDLHIQESKINNLTVSLEM
 EKESLRGECEDMLSKCRNDFK FQLKDTEENLHVLNQTLAEVLFPMDNKMDKMSEQ
 LNDLTYDMEILQPLLEQGASLRQTMTYEQPK EAVIRKKIENLTSAVNSLNFIKELTKR
 HNLLRNEVQGRDDALERRINEYALEMEDGLNKTMTI INNAIDFIQDNYALKETLSTIKD
 NSEIHHKCTSDMETILTFIPQFHRLNDSIQTLVNDNQRYNFV LQVAKTLAGIPRDEKL
 NQSNFQKMYQMFINETTSQVRKYQQNMSHLEEKLLLTTKISKNFETRLQD IESKVTQ
 TLIPYYISVKKGSVVTNERDQALQLQVLNSRFKALEAKSIHLSINFFSLNKTLEHVL T M
 CHNASTSVSELNATIPKWKHSLPDIQLLQKGLREFVEPIIQTQAALSNLTCCIDRSL
 PGSL ANVVKSQKQVKSLPKKINALKKPTVNLTTVLIGRTQRNTDNIYP EEEYSSCSRH
 PCQNGGTCING RTSFTCACRHPFTGDNCTIKLVEENALAPDFSKGSYRYAPMVAFF
 ASHTYGMTIPGPILFNNLDV NYGASYTPRTGKFRIPYLG VYVFKYTIESFSAHISGFLV
 VDGDIDKLAFESINSEIHCDRVLTG DALLELNYGQEVWLRLAKGTIPAKFPPVTTFS
 GYLLYRTVDHHHHHH

Endotoxin Less than 0.1 ng/μg (1 IEU/μg).

Purity Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

GENE INFORMATION

Gene Name [MMRN1 multimerin 1 \[Homo sapiens \]](#)

Official Symbol MMRN1

Synonyms MMRN1; multimerin 1; MMRN, multimerin; multimerin-1; ECM; EMILIN4; glycoprotein Ia*; GPIa*; EMILIN-4; endothelial cell multimerin; elastin microfibril interfacer 4; elastin

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	microfibril interface located protein 4; MMRN;
Gene ID	22915
mRNA Refseq	NM_007351
Protein Refseq	NP_031377
MIM	601456
UniProt ID	Q13201
Chromosome Location	4q22
Pathway	Hemostasis, organism-specific biosystem; Platelet activation, signaling and aggregation, organism-specific biosystem; Platelet degranulation, organism-specific biosystem; Response to elevated platelet cytosolic Ca ²⁺ , organism-specific biosystem;