

Active Recombinant Human MATN2, His-tagged

Cat. No. MATN2-85H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human Matrilin-2, Arg24-Arg937, was expressed in Mouse NS0 cells with a C-terminal 6-His tag
Species	Human
Source	Mammalian Cells
Protein Length	24-937 a.a.
Description	This gene encodes a member of the von Willebrand factor A domain containing protein family. This family of proteins is thought to be involved in the formation of filamentous networks in the extracellular matrices of various tissues. This protein contains five von Willebrand factor A domains. The specific function of this gene has not yet been determined. Two transcript variants encoding different isoforms have been found for this gene.
Predicted N Terminal	Arg24
Form	Lyophilized from a 0.2 µl filtered solution in PBS with BSA as a carrier protein
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized rat tail Collagen I at 10 µg/mL (100 µl/well) can bind rhMatrilin-2 with a linear range of 16 - 1,000 ng/mL.
Molecular Mass	SDS-PAGE: 120 kDa, reducing conditions

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Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	12 months from date of receipt, -20 to -70 °C as supplied.1 month, 2 to 8 °C under sterile conditions after reconstitution.3 months, -20 to -70 °C under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 100 µg/mL in sterile PBS.
GENE INFORMATION	
Gene Name	MATN2 matrilin 2 [Homo sapiens]
Official Symbol	MATN2
Synonyms	matrilin 2; matrilin-2; OTTHUMP00000227538; OTTHUMP00000227539; OTTHUMP00000227540; OTTHUMP00000227541; OTTHUMP00000227542
Gene ID	4147
mRNA Refseq	NM_002380
Protein Refseq	NP_002371
MIM	602108
UniProt ID	Q8N2G3
Chromosome Location	8q22
Function	calcium ion binding; molecular_function

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