

Figure S1

< Sequence matching >

1. JCY_82kDa (1st ID)

N	Unused	Total	% Cov	Accession #	Name	Species	Peptides(95%)
1	8	8	35.1	EAW75776.1			4

< Sequence coverage >

- **Prot N1** : protein ID <https://www.ncbi.nlm.nih.gov/protein/EAW75776.1>

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MSLWQPLVLVLVLGCCFAAPRQRQSTLVLFPGDLRTNLTDRQLAEEYLYRYGYTRVAEMRGESKSLGPALLLLQKQLSLPETGELDSATLK
AMRTPRCGVPDLGRFQTFEGDLKWHHHNITYWIQNYSEDLPRAVIDDAFARAFALWSAVTPLTFTRVYSRDADIVIQFGVAEHGDGYPFDGK
DGLLAHAFPPGPGIQGDAHFDDDELWSLGKGVVVPTRFGNADGAACHFPFIFEGRSYSACTTDGRSDGLPWCSTTANYDTDDRFGFCPSERL
YTRDGNADGKPCQFPFIFQGQSYSACTTDGRSDGYRWCATTANYDHDKLFGFCPTRADSTVMGGNSAGELCVFPFFTFLGKEYSTCTSEGRGD
GRLWCATTSNFDSDKKWGFCPDQGYSLFLVAAHEFGHALGLDHSSVPEALMPYPMYFTEGPPLHKDDVNGIRHLYGPRPEPEPRPPTTTTPQ
PTAPPTVCPTGPPTVHPSERPTAGPTGPPSAGPTGPPTAGPSTATTVPLSPVDDACNVNIFDAIAEIGNQLYLFDKGYWRFSEGRGSRPQG
PFLIADKWPALPRKLDVFEELSKLFFFSGRQVWVYTGASVLGPRRLDKLGLGADVAQVTGALRSGRGKMLLFSGRRLWRFDVKAQMVDP
RSASEVDRMFPGVPLDTHDVFQYREKAYFCQDRFYWRVSSRSELNQVDQVGYVTYDILQCPED
  
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- **Confidence** : Green > Yellow > Red, Gray : not detected.

Protein ID analysis using LC–MS identified that the in-gel protein band contained several fractions of trypsin-digested MMP9

Table S1. List of antibodies used

	Antibody	Catalog number	Company
1	β -actin	26628-22-8	Sigma-Aldrich
2	MMP9	AB19016	Merck Millipore
3	MMP9	sc-13520	Santa Cruz Biotechnology
4	MMP2	NB200-114	Novus Biologicals
5	p-p38	05-1059	Sigma-Aldrich
6	p38	sc-535	Santa Cruz Biotechnology
7	p-JNK	07-175	Sigma-Aldrich
8	JNK	3708	Cell Signaling Technology
9	p-ERK	05-797R	Sigma-Aldrich
10	ERK	sc-271269	Santa Cruz Biotechnology
11	p-AKT	05-669	Sigma-Aldrich
12	AKT	4691	Cell Signaling Technology
13	p-p65	sc-33020	Santa Cruz Biotechnology
14	p65	sc-8008	Santa Cruz Biotechnology
15	p-c-Fos	sc-81485	Santa Cruz Biotechnology
16	c-Fos	sc-166940	Santa Cruz Biotechnology
17	p-c-Jun	sc-822	Santa Cruz Biotechnology
18	c-Jun	sc-74543	Santa Cruz Biotechnology
19	TIMP-1	sc-365905	Santa Cruz Biotechnology
20	TIMP-2	sc-21735	Santa Cruz Biotechnology
21	uPA	sc-59727	Santa Cruz Biotechnology
22	uPAR	sc-376494	Santa Cruz Biotechnology