

RPC056Mu01 10µg

Recombinant Matrix Metalloproteinase 14 (MMP14)

Organism Species: *Mus musculus* (Mouse)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: His121~Asn487

Tags: N-terminal His Tag

Subcellular Location: Membrane, Cytoplasm, Extracellular matrix

Purity: > 80%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.

Original Concentration: 400µg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 6.4

Predicted Molecular Mass: 46.0kDa

Accurate Molecular Mass: 44kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

		HNEITFCIQN	YTPKVGGEYAT	FEAIRKAFRV
WESATPLRFR	EVPIYAYIREG	HEKQADIMIL	FAEGFHGDST	PFDGEGGFLA
HAYFPGPNIG	GDTHFDSAEP	WTVQNEDLNG	NDIFLVAVHE	LGHALGLEHS
NDPSAIMAPF	YQWMDTENFV	LPDDDRRGIQ	QLYGSKSGSP	TKMPPQPRTT
SRPSVPDKPK	NPAYGPNICD	GNFDTVAMLR	GEMFVFKERW	FWRVRNNQVM
DGYPMPIGQF	WRGLPASINT	AYERKDQKFV	FFKGDKHWVF	DEASLEPGYP
KHIKELGRGL	PTDKIDAALF	WMPNGKTYFF	RGNKYRFRNE	EFRAVDSEYP
KNIKVWEGIP	ESPRGSFMGS	DEVFTYFYKG	NKYWKFN	

[IDENTIFICATION]

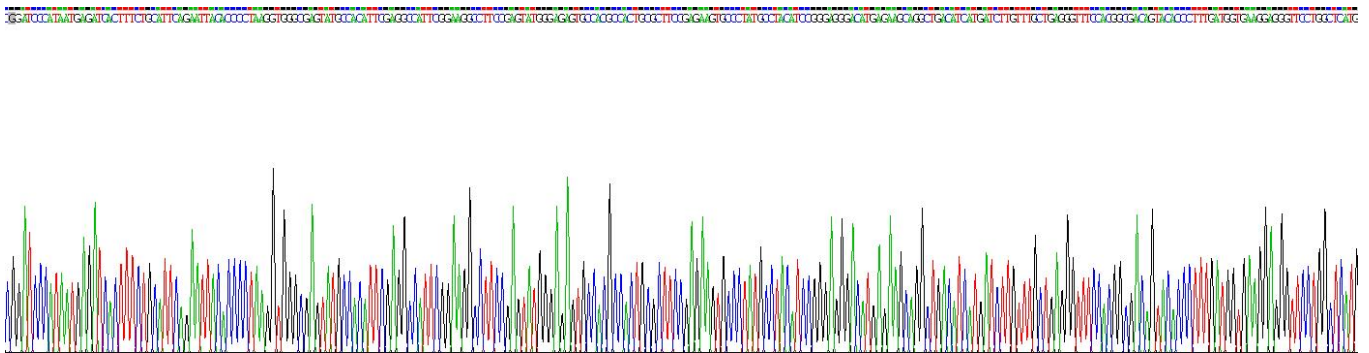


Figure . Gene Sequencing (extract)

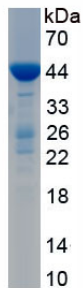


Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.