

RPC056Mu01 100µg
Recombinant Matrix Metalloproteinase 14 (MMP14)
Organism Species: Mus musculus (Mouse)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

[**PROPERTIES**]

Residues: His121~Asn487

Tags: Two N-terminal Tags, His-tag and T7-tag

Accession: P53690

Host: *E. coli*

Subcellular Location: Membrane; Single-pass type I membrane protein; Extracellular side.

Melanosome. Cytoplasm.

Purity: >95%

Endotoxin Level: <1.0EU per 1µg
(determined by the LAL method).

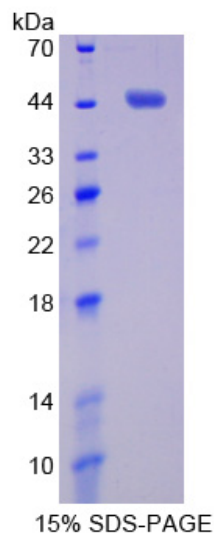
Formulation: Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

Predicted isoelectric point: 6.4

Predicted Molecular Mass: 45.9kDa

Applications: SDS-PAGE; WB; ELISA; IP.

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



[**USAGE**]

Reconstitute in ddH₂O.

[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 of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The sequence of the target protein is listed below.

HNEITFCIQN YTPKVGEYAT FEAIRKAFRV WESATPLRFR EVPYAYIREG HEKQADIMIL
FAEGFHGDST PFDGEGGFLA HAYFPGPNIG GDTHFDSAEP WTVQNE DLNG NDIFLVAVHE
LGHALGLEHS NDPSAIMAPF YQWMDTENFV LPDDDRRGIQ QLYGSKSGSP TKMPPQPRRT
SRPSVPDKPK NPAYGPNICD GNFDTVAMLR GEMFVFKERW FWRVRNNQVM
DGYPMPIGQF WRGLPASINT AYERKDGK FV FFKGDKHWVF DEASLEPGYP KHIKELGRGL
PTDKIDAALF WMPNGKTYFF RGNKYRFNE EFRAVDSEYP KNIKVWEGIP ESPRGSFMGS
DEVFTYFYKG NKYWKFN

[REFERENCES]

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2. Apte S.S., *et al.* (1997) J. Biol. Chem. 272:25511-25517.
3. Ota K., *et al.* (1998) Kidney Int. 54:131-142.
4. Rozanov D.V., *et al.* (2006) Cancer Res. 66:6258-6263.