

Recombinant Matrix Metalloproteinase 14 (MMP14)

Catalog No.: TP10154

100µg

Sequence Information

Species: Human

Gene ID:4323

Swiss Prot:P50281

Synonyms:MMP-X1; MT1-MMP; MTMMP1;

Membrane Inserted; Membrane-type

matrix metalloproteinase 1;

Membrane-type-1 matrix

metalloproteinase

Residues:Tyr112-Val582

YAIQGLKQHN EITFCIQNYTPKVGEYATYEAIRKAFRVWESATPLRFREVPYA
YIREGHEKQADIMIFFAEGFHGDSTPFDGEGGFLAHAYFPGPNIGGDTHFDSA
PWTVRNEDLNGNDIFLVAVHELGHALGLEHSSDPSAIMAPFYQWMDTENFVLPD
DDRRGIQQLYGGESGFPTKMPPQPRRTTSRPSVPDKPKNPTYGPNICDGNFDTVA
MLRGEMFVFKERWFWVRNNQVMDGYMPIGQFWRGLPASINTAYERKDGKFVF
FKGDKHWVFDEASLEPGYPKHIKELGRGLPTDKIDAALFWMPNGKTYFFRGNKY
YRFNEELRAVDSEYPKNIKVWEGIPESPRGSFMGSDEVFTYFYKGNKYWKFNQ
KLKVEPGYPKSALRDWMGCPSGGRPDEGTEEEETEVIIEVDEEGGAVSAAAV
LPVLLLLLLVLAVGLAVFFRRRHGTPRRLLYCQRSLLDKV

Product Information

Source: Recombinant expression.

Host: *E.coli*

Tags: N-terminal His-Tag

Subcellular Location: Secreted.

Purity: >90%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Original Concentration: 200µg/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: 6.0

Predicted Molecular Mass: 60.2kDa

Accurate Molecular Mass: 60kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH₂O to a concentration of 0.1-0.5 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.

[IDENTIFICATION]

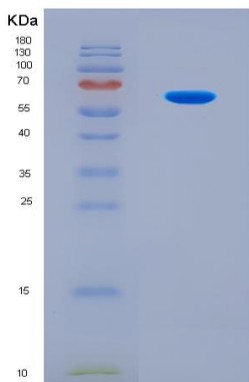


Figure 1. SDS-PAGE

[IMPORTANT NOTE]

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