

Recombinant Matrix Metalloproteinase 2 (MMP2) Instruction Manual

SIPA067Ra01

Rattus norvegicus (Rat)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Membrane, Nucleus, Extracellular matrix
Predicted Molecular Mass	25.6kDa
Accurate Molecular Mass	27kDa(Analysis of differences refer to the manual)
Residues & Tags	Tyr445~Cys662 with N-terminal His Tag
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 97%
Isoelectric Point	6.4
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

YGPSPD
ADTDGTGPT PTLGPVTPEI CKQDIVFDGI AQIRGEIFFF KDRFIWRTVT
PRDKPTGPLL VATFWPELPE KIDAVYEAPQ EEKAVFFAGN EYVWVYSASTL
ERGYPKPLTS LGLPPDVQQV DAAFNWSKNK KTYIFSGDKF WRYNEVKKKM
DPGFPKLIAD SWNAIPDNLD AVVDLQGGGH SYFFKGAYYL KLENQSLKSV
KFGSIKSDWL GC

USAGE

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

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

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.

Image

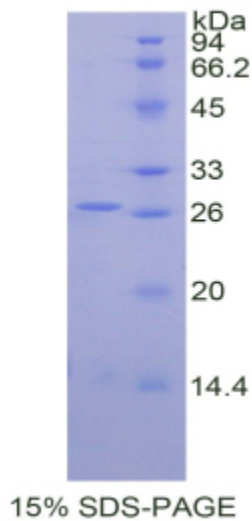


Figure. SDS-PAGE

[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.