RPA101Po01 50μg

Recombinant Matrix Metalloproteinase 3 (MMP3)

Organism Species: Sus scrofa; Porcine (Pig)

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: Tyr18~Cys477

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

Accession: F1SV58

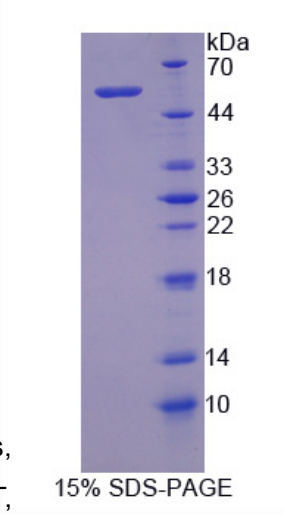
Host: *E. coli*

Subcellular Location: Secreted, extracellular space, extracellular matrix.

Purity: >90%

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

Formulation: Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.



15% SDS-PAGE

Predicted isoelectric point: 5.4

Predicted Molecular Mass: 56.0kDa

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

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

[USAGE]

Reconstitute in sterile ddH_2O.

[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.

YPV DRAAVDKDDS MDFVQKYLED YYNLTKDVKQ VVRRKDSSLV VKKIQEMQKF LGLEVTGKLD SNTLEVMHKP RCGVPDVGYF STFPGLPKWR KNDLTYRIVN YTLDLPRSVI DSTIEKALKI WEEVTPLTFS KISEGEADIM ITFAVREHGD FSPFDGPGKV LAHAYAPGPG IYGDAHFDDD EQWTKDTSGV NLFLVAAHEL GHSLGLFHST DSNALMYPVY NPLTDLARFR LSQDDVNGIQ SLYGPPPASP PEPVEPTEST PPEPGTPATC DPALSFDAIS TLRGEILFFK DRHFWRKSFR RLEPEFHLIS SFWPPLPSSI DAACEVISKD TVFIFKGTQF WAIRGNDVQP GYPRSIHTLG FPSTVKKIDA AISDKETKKT YFFVEDKYWR FDEKRQSMEP GFPKQIVEDF PGVEPKVDAV FEAFGFFYFF NGSSQFEFDP NAKKVTHVLK SNKWLNC

[REFERENCES]

1. Porcine genome sequencing project. (2009) Submitted to the EMBL/GenBank/DDBJ databases.
2. Ensembl. (2011) Submitted to UniProtKB.
3. Matrisian LM. (1990) Trends in Genetics 6 (4): 121 – 5.
4. Humphries SE., *et al.* (1998) Atherosclerosis 139 (1): 49 – 56.