

PRODUCT DATA SHEET

Matrix Metalloproteinase-9 Human HEK293

Cat. No.: RD172439100**Size:** 0.1 mg**Source:** HEK293**Type:** Recombinant protein**Species:** Human**Other Names:**

Matrix Metalloproteinase-9, MMP9

Description:

Total 694 AA. MW: 77.2 kDa (calculated). UniProtKB acc. No. P14780 (Ala20–Asp707). C-terminal His-tag (6 AA). Protein identity confirmed by MS.

Amino Acid Sequence:

APRQRQSTLV LFPGLRRTNL TDRQLAEEYL YRYGYTRVAE MRGESKSLGP ALLLLQKQLS
LPETGELDSA TLKAMRTPRC GVPDLGRFQT FEGDLKWHHH NITYWIQNYE EDLPRAVIDD
AFARAFALWS AVTPLTFTRV YSRDADIVIQ FGVAEHGDGY PFDGKDGLLA HAFPPGPGIQ
GDAHFDDEL WSLGKGVVVP TRFGNADGAA CHFPIFIFGR SYSACTTDGR SDGLPWCSTT
ANYDTDDRFG FCPSELYTR DGNADGKPCQ FPFIFQGQSY SACTTDGRSD GYRWCATTAN
YDRDKLFGFC PTRADSTVMG GNSAGELCVF PFTFLGKEYS TCTSEGRGDG RLWCATTSNF
DSDKKWGFPC DQGYSLFLVA AHEFGHALGL DHSSVPEALM YPMYRFTEGP PLHKDDVNGI
RHLYGPRPEP EPRPPTTTP QTAPPTVCP TGPPTVHPSE RPTAGPTGPP SAGPTGPPTA
GPSTATTVPL SPVDDACNVN IFDAIAEIGN QLYLFKDGKY WRFSEGRGSR PQGPFLLIADK
WPALPRKLDL VFEERLSKKL FFFSGRQVWV YTGASVLGPR RLDKLGLGAD VAQVTGALRS
GRGKMLLFSG RRLWRFDVKA QMVDPRSASE VDRMFPVPL DTHDVFQYRE KAYFCQDRFY
WRVSSRSELN QVDQVGYVTY DILQCPEDHH HHHH

Purity:

> 90 % by SDS-PAGE

Endotoxin:

< 1.0 EU/μg

Formulation:

Filtered (0.4 μm) and lyophilized from 0.5 mg/ml solution in phosphate buffered saline pH7.5 + 5% (w/v) Threalose.

Reconstitution:

Add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely.

Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage/Stability:

Store lyophilized protein at -80°C. Lyophilized protein remains stable until the expiry date when stored at -80°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a week.

Quality Control:

BCA to determine quantity of the protein.
SDS PAGE to determine purity of the protein.
Endotoxin level determination.

Applications:

ELISA, Western blotting

Note:

This product is intended for research use only.