

## 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 LFPGDLRTNL TDRQLAEEYL YRYGYTRVAE MRGESKSLGP ALLLLQKQLS  
LPETGELDSA TLKAMRTPRC GVPDLGRFQT FEGDLKWHHH NITYWIQNY S EDLPRAVIDD  
AFARAFALWS AVTPLTFTRV YSRDADIVIQ FGVAEHGDGY PFDGKDGLLA HAFPPGPGIQ  
GDAHFDDEL WSLGKGVVVP TRFGNADGAA CHFPIFEGR SYSACTDGR SDGLPWCSTT  
ANYDTDDRFG FCPSELYTR DGNADGKPCQ FPFIFQGQSY SACTDGRSD GYRWCATTAN  
YDRDKLFGFC PTRADSTVMG GNSAGELCVF PFTFLGKEYS TCTSEGRGDG RLWCATTSNF  
DSDKKWGFCE DQGYSLFLVA AHEFGHALGL DHSSVPEALM YPMYRFTEGP PLHKDDVNGI  
RHLYGPRPEP EPRPPTTTP QPTAPPTVCP TGPPTVHPSE RPTAGPTGPP SAGPTGPPTA  
GPSTATTVPL SPVDDACNVN IFDAIAEIGN QLYLFKDGKY WRFSEGRGSR PQGPFLIADK  
WPALPRKLD S VFEERLSKKL FFFSGRQVWV YTGASVLGPR RLDKLGLGAD VAQVTGALRS  
GRGKMLLFSG RRLWRFDVKA QMVDPRSASE VDRMFPVPL DTHDVFQYRE KAYFCQDRFY  
WRVSSRSELN QVDQVGYVTY DILQCPEDHH HHHH

**Purity:**

&gt; 90 % by SDS-PAGE

**Endotoxin:**

&lt; 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.