

Matrix Metalloproteinase 14 Recombinant Protein | MMP14 recombinant protein

Recombinant Matrix Metalloproteinase 14 (MMP14)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA144430	E.coli	Mus musculus (Mouse)	Western Blot, SDS-Page

PRODUCT SYNONYMS

Matrix Metalloproteinase 14; Recombinant Matrix Metalloproteinase 14 (MMP14); MMP14 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Mus musculus (Mouse)
Purity/Purification	> 90%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Sequence	HNEITFCIQN YTPKVG EYAT FEAIRKAFRV WESATPLRFR EVPYAYIREG HEKQADIMIL FAEGFHGDST PFDGEGGFLA HAYFPGPNIG GDTHFDSAEP WTVQNEDLNG NDIFLVAVHE LGHALGLEHS NDPSAIMAPF YQWMDTENFV LPDDDRRGIQ QLYGSKSGSP TKMPPQPRTT SRPSVPDKPK NPAYGPNICD GNFDTVAMLR GEMFVFKERW FWRVRNNQVM DGYPMPIGQF WRGLPASINT AYERKDGKFV FFKGDKHWVF DEASLEPGYP KHIKELGRGL PTDKIDAALF WMPNGKTYFF RGNKYRFE EFRVDSEYP KNIKVWEGIP ESPRGSFMGS DEVFTYFYKG NKYWKFN
Applicable Applications for MMP14 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	His121~Asn487
Tags	N-terminal His Tag
Subcellular Location	Membrane, Cytoplasm, Extracellular matrix
Traits	Freeze-dried powder
Predicted isoelectric point	6.4
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree 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 degree 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.

IMAGES



SDS-PAGE



Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826834
NCBI GeneID	4323
NCBI Accession #	NP_004986.1
NCBI GenBank Nucleotide #	NM_004995.3
Molecular Weight	Predicted Molecular Mass: 46.0kDa Accurate Molecular Mass: 44kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	matrix metalloproteinase-14 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 14 (membrane-inserted)
NCBI Official Symbol	MMP14
NCBI Official Synonym Symbols	MMP-14; MMP-X1; MT-MMP; MT1MMP; MTMMP1; WNCHRS; MT1-MMP; MT-MMP 1
NCBI Protein Information	matrix metalloproteinase-14
UniProt Protein Name	Matrix metalloproteinase-14
UniProt Gene Name	MMP14
UniProt Synonym Gene Names	MMP-14; MT-MMP 1; MTMMP1; MT1-MMP; MT1MMP
UniProt Entry Name	MMP14_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.