Human MMP-14 (Catalytic Domain) Recombinant Protein

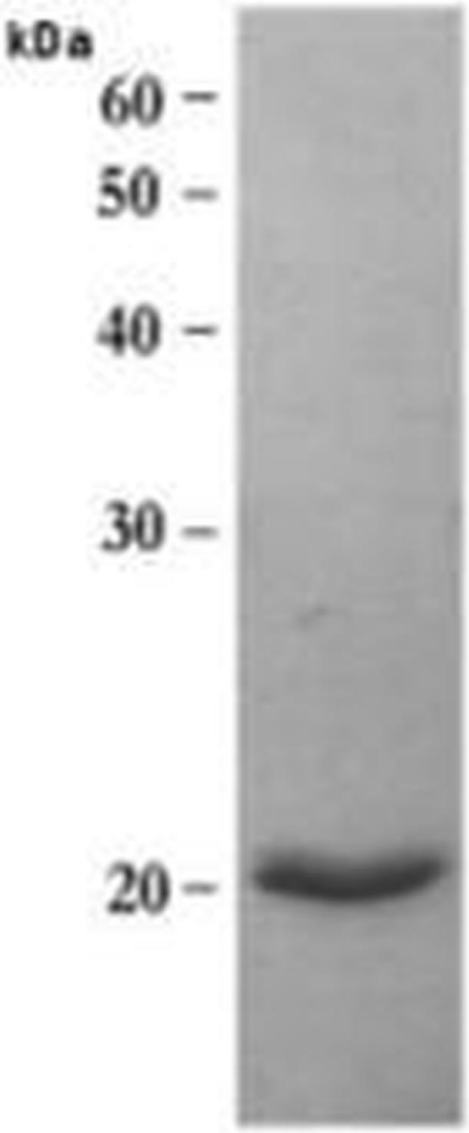
Product Details	
Size	10 µg
Species	Human
Expression system	E. coli
Amino acid sequence	Human MMP-14, amino acids Tyr89-Gly265
Molecular weight	20 kDa
Class	Recombinant
Type	Protein
Activity	Specific Activity > 150 mU/mg; with 1 U defined as the activity that hydrolyzes 1 µmol peptide within 1 minute in an enzyme assay.
Conjugate	Unconjugated
Form	Liquid
Concentration	0.2 mg/mL
Storage conditions	-80° C, Avoid Freeze/Thaw Cycles

Applications	Tested Dilution	Publications
Control (Ctrl)	Assay-dependent	-
SDS-PAGE (SDS-PAGE)	Assay-dependent	-

Product Specific Information

RP-77531 is a purified recombinant MMP-14 (catalytic domain) protein, expressed in E.coli. MT1-MMP catalytic domain is produced by activation of a recombinant soluble proform of MT1-MMP purified from E. coli periplasm. The catalytic domain is inhibited by tissue inhibitors of matrix metalloproteinases 2 and 3 (TIMP-2 and TIMP-3) and by chelators of divalent cations like EDTA or o-phenanthroline. This product can be used to study the activation of TIMP-2 and the degradation of proteins of the extracellular matrix. The enzyme allows screening of TIMP inhibitors and characterization of inhibitor action.

Product Images For Human MMP-14 (Catalytic Domain) Recombinant Protein



Human MMP-14 (Catalytic Domain) Protein (RP-77531) in SDS-PAGE
SDS-PAGE of 2 µg MT1-MMP catalytic domain (Product # RP-77531).

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.