

Recombinant Rat MMP-12 protein (His tag)

Catalog Number: PDER100037



Note: Centrifuge before opening to ensure complete recovery of vial contents.

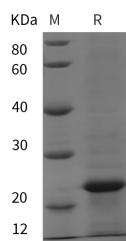
Description

Synonyms	Macrophage metalloelastase;MME;Matrix metalloproteinase-12;MMP-12;Mmp12;Mme;Mmel
Species	Rat
Expression Host	E.coli
Sequence	Ala 286-Phe 463
Accession	Q63341
Calculated Molecular Weight	19.5 kDa
Observed molecular weight	24 kDa
Tag	N-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Matrix metalloproteinase-12 (MMP12) is a secreted protein. It contains 4 hemopexin repeats and belongs to the peptidase M10A family. MMP12 may be involved in tissue injury and remodeling and have significant elastolytic activity. It can accept large and small amino acids at the P1' site, but has a preference for leucine. Aromatic or hydrophobic residues are preferred at the P1 site, with small hydrophobic residues (preferably alanine) occupying P3.

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