

Recombinant Mouse TIMP1 Protein (His Tag)

Catalog Number:PDEM100016



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

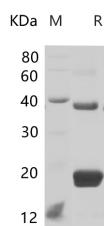
Description

| | |
|------------------------------------|--|
| Synonyms | Metalloproteinase inhibitor 1;Collagenase inhibitor 16C8 fibroblast;Erythroid-potentiating activity;EPA;TPA-S1;TPA-induced protein;Tissue inhibitor of metalloproteinases 1;TIMP-1;Timp;Timp-1 |
| Species | Mouse |
| Expression Host | E.coli |
| Sequence | Pro28-Arg205 |
| Accession | P12032-1 |
| Calculated Molecular Weight | 19.9 kDa |
| Observed molecular weight | 22.18 kDa |
| Tag | N-His |

Properties

| | |
|-----------------------|---|
| Purity | > 80 % 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



> 80 % as determined by reducing SDS-PAGE.

Background

Metalloproteinase inhibitor that functions by forming one to one complexes with target metalloproteinases, such as collagenases, and irreversibly inactivates them by binding to their catalytic zinc cofactor. Acts on MMP1, MMP2, MMP3, MMP7, MMP8, MMP9, MMP10, MMP11, MMP12, MMP13 and MMP16. Does not act on MMP14 (By similarity). Also functions as a growth factor that regulates cell differentiation, migration and cell death and activates cellular signaling cascades via CD63 and ITGB1. Plays a role in integrin signaling.

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