

Metalloproteinase inhibitor 1

Catalog No: #AP78556

Package Size: #AP78556-1 50ug #AP78556-2 100ug #AP78556-3 1mg

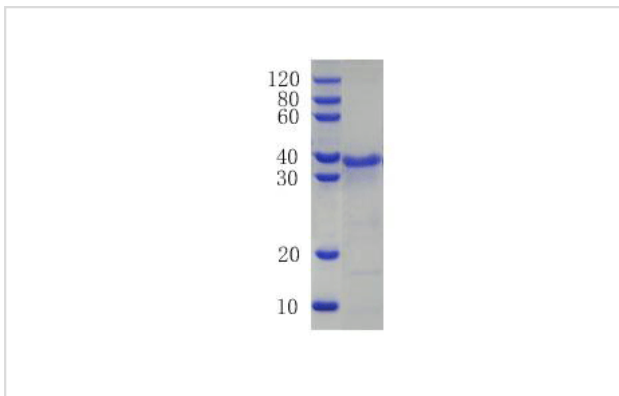
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Description

Product Name	Metalloproteinase inhibitor 1
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Human
Immunogen Description	24-207aa
Other Names	CLGI,TIMP,Erythroid-potentiating activity,Fibroblast collagenase inhibitor,Tissue inhibitor of metalloproteinases 1,EPA,Collagenase inhibitor,TIMP-1
Accession No.	P01033Gene name:TIMP1
Uniprot	P01033
GeneID	7076;
Calculated MW	20.24
Tag Info	His
Formulation	50mM NaH ₂ PO ₄ , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Images



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. 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. Mediates erythropoiesis in vitro; but, unlike IL3, it is species-specific, stimulating the growth and differentiation of only human and murine erythroid progenitors.

References

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Note: This product is for in vitro research use only