

Recombinant human Metalloproteinase inhibitor 2

Catalog No: #AP71972



Package Size: #AP71972-1 20ug #AP71972-2 100ug #AP71972-3 1mg

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant human Metalloproteinase inhibitor 2
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:30-220aaSequence Info:Partial
Other Names	CSC-21KTissue inhibitor of metalloproteinases 2 ;TIMP-2
Accession No.	P16035
Uniprot	P16035
GenID	7077;
Calculated MW	48.5 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	SPVHPQQAFCNADVIRAKAVSEKEVDSGNDIYGNPIKRIQYEIKQIKMFKGPEKDIEFIYTAPSSAVCGVSLDV GGKKEYLIAGKAEGDGKMHITLCDFIVPWTLSSTQKKS LNHR YQMGECKITRCPMIPC YISSPDECLWMDW VTEKNINGHQAKFFACIKRSDGSCAWYRGAAPPKQEFLDIEDP
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates th by binding to their catalytic zinc cofactor. Known to act on MMP-1, MMP-2, MMP-3, MMP-7, MMP-8, MMP-9, MMP-10, MMP-13, MMP-14, MMP-15, MMP-16 and MMP-19.

References

Human 72-kilodalton type IV collagenase forms a complex with a tissue inhibitor of metalloproteases designated TIMP-2.Goldberg G.I., Marmor B.L., Grant G.A., Eisen A.Z., Wilhelm S., He C.Proc. Natl. Acad. Sci. U.S.A. 86:8207-8211(1989)Research Topic:Cardiovascular

Note: This product is for in vitro research use only