



TIMP2 peptide (DAG-P1221)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene is a member of the TIMP gene family. The proteins encoded by this gene family are natural inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix. In addition to an inhibitory role against metalloproteinases, the encoded protein has a unique role among TIMP family members in its ability to directly suppress the proliferation of endothelial cells. As a result, the encoded protein may be critical to the maintenance of tissue homeostasis by suppressing the proliferation of quiescent tissues in response to angiogenic factors, and by inhibiting protease activity in tissues undergoing remodelling of the extracellular matrix. [provided by RefSeq, Jul 2008]
Purity	> 95 % by SDS-PAGE.
Conjugate	Unconjugated
Applications	ELISA WB
Sequence Similarities	Belongs to the protease inhibitor I35 (TIMP) family. Contains 1 NTR domain.
Format	Liquid
Buffer	Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75

GENE INFORMATION

Gene Name [TIMP2 TIMP metalloproteinase inhibitor 2 \[Homo sapiens \(human\) \]](#)

Official Symbol	TIMP2
Synonyms	TIMP2; TIMP metalloproteinase inhibitor 2; DDC8; CSC-21K; metalloproteinase inhibitor 2; TIMP-2; tissue inhibitor of metalloproteinase 2; tissue inhibitor of metalloproteinases 2;
Entrez Gene ID	7077
mRNA Refseq	NM_003255.4
Protein Refseq	NP_003246.1
UniProt ID	P16035
Chromosome Location	17q25
Pathway	Activation of Matrix Metalloproteinases, organism-specific biosystem; Angiogenesis, organism-specific biosystem; Degradation of the extracellular matrix, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem; Matrix Metalloproteinases, organism-specific biosystem;
Function	enzyme activator activity; integrin binding; metal ion binding; metalloendopeptidase inhibitor activity; protein binding;