

Human CellExp™ TIMP-2, human recombinant
CSC-21K, TIMP2
Catalog # PBV11622r**Specification**

Human CellExp™ TIMP-2, human recombinant - Product info

Primary Accession	P16035
Calculated MW	22.6 kDa KDa

Human CellExp™ TIMP-2, human recombinant - Additional Info

Gene ID	7077
Other Names	
CSC-21K, TIMP2	
Gene Source	Human
Source	HEK 293 cells
Assay&Purity	SDS-PAGE;> 95%
Recombinant	Yes
Target/Specificity	
TIMP2	

Application Notes

Reconstitute in sterile deionized water to the desired protein concentration.

Format

Lyophilized

Storage

-20°C;Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally Trehalose is added as protectant before lyophilization.

Human CellExp™ TIMP-2, human recombinant - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp™ TIMP-2, human recombinant - Images**Human CellExp™ TIMP-2, human recombinant - Background**

TIMP metallopeptidase inhibitor 2 is also known as TIMP2, which belongs to the protease inhibitor I35 (TIMP) family. This family proteins are natural inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix. The TIMP family encompasses four members (TIMP1, TIMP2, TIMP3, TIMP4), and they inhibit most MMPs by forming non-covalent binary complex. In addition to an inhibitory role against metalloproteinases, TIMP2 has a unique role among TIMP family members in its ability to directly suppress the proliferation of endothelial cells. As a result, TIMP-2 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.