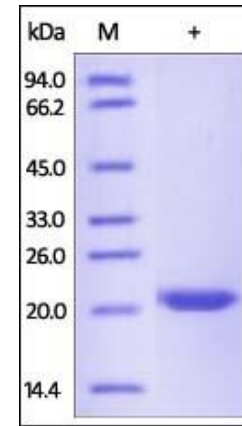


# Human CellExp™ TIMP-2, human recombinant

<b>CATALOG NO:</b>	P1142-10	10 µg
<b>ALTERNATE NAMES:</b>	CSC-21K, TIMP2	
<b>SOURCE:</b>	HEK 293 cells (Cys 27 – Pro 220)	
<b>PURITY:</b>	> 95% by SDS – PAGE	
<b>MOL. WEIGHT:</b>	Human TIMP-2, His Tag is fused with a polyhistidine tag at the C-terminus, and has a calculated MW of 22.6 kDa. The predicted N-terminus is Cys 27. DTT-reduced Protein migrates as 22 kDa in SDS-PAGE	
<b>ENDOTOXIN LEVEL:</b>	< 1.0 EU per 1µg of protein (determined by LAL method)	
<b>FORM:</b>	Lyophilized	
<b>FORMULATION:</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally Mannitol or Trehalose is added as a protectant before lyophilization.	
<b>STORAGE CONDITIONS:</b>	Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.	
<b>RECONSTITUTION:</b>	Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 50 µg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% (W/V) HSA or BSA) is recommended for further dilution and long term storage. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -80°C.	
<b>DESCRIPTION:</b>	TIMP metalloproteinase 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.	



The purity of Human TIMP-2, His Tag was determined by DTT-reduced (+) SDS-PAGE and staining overnight with Coomassie Blue

**RELATED PRODUCT:**

- Human CellExp™ TNFRSF10B /TRAILR2, human recombinant (Cat. No. 7448-10)
- Human CellExp™ CD155, human recombinant (Cat. No. 7462-10, -50)
- Human CellExp™ CD160/BY55, human recombinant (Cat. No. 7386-10, -50)
- Human CellExp™ CD166/ ALCAM, human recombinant (Cat. No. 7437-10, -50)
- Human CellExp™ CD172A / SIRP, human recombinant (Cat. No. 7506-10, -50)
- Human CellExp™ CD33 / SIGLEC-3, human recombinant (Cat. No. 7370-10, -50)
- Human CellExp™ CD47, human recombinant (Cat. No. 7385-10, -50)
- Human CellExp™ CD55/DAF, human recombinant (Cat. No. 7432-10, -50)
- Human CellExp™ CD58 /LFA-3, human recombinant (Cat. No. 7427-10, -50)
- Human CellExp™ CD62E/E-Selectin, human recombinant (Cat. No. 7434-20, -100)
- Human CellExp™ CD71 / TFRC / TFR, human recombinant (Cat. No. 7279-10, -50)
- Human CellExp™ CD273, human recombinant (Cat. No. 7369-10, -50)
- Human CellExp™ CD36, human recombinant (Cat. No. 7371-10, -50)
- Human CellExp™ CD87, human recombinant (Cat. No. 7372-20, -100)

**FOR RESEARCH USE ONLY! Not to be used on humans.**

