

Active Recombinant Human TIMP2 protein(Cys27-Pro220)

Cat. No. TIMP2-3835H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human TIMP2 protein(NP_003246.1)(Cys27-Pro220) was expressed in HEK293. |
| Species | Human |
| Source | HEK293 |
| ProteinLength | Cys27-Pro220 |
| similar | TIMP2 |
| Alias | TIMP2; TIMP metallopeptidase inhibitor 2; tissue inhibitor of metalloproteinase 2; metalloproteinase inhibitor 2; CSC 21K; TIMP-2; tissue inhibitor of metalloproteinases 2; CSC-21K; |
| Conjugate | N/A |
| Form | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. |
| Bioactivity | Measured by its ability to inhibit human MMP-2 cleavage of a fluorogenic peptide substrate MCA-PLGL-DPA-AR-NH2. The IC50 value is < 4 nM. |
| MolecularMass | The recombinant human TIMP2 consists of 195 amino acids and has a predicted molecular mass of 22 kDa. It migrates as an approximately 20 kDa band in SDS- |

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| | PAGE under reducing conditions. |
| Endotoxin | < 1.0 EU per µg of the protein as determined by the LAL method |
| Purity | > 96 % as determined by SDS-PAGE |
| Storage | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents. |
| GeneName | TIMP2 TIMP metallopeptidase inhibitor 2 [Homo sapiens] |
| GeneNameWeblink | 7077 |
| OfficialSymbol | TIMP2 |
| OfficialSymbolWeblink | 7077 |
| GenelD | 7077 |
| GenelDWeblink | 7077 |
| mRNARefseq | NM_003255 |
| mRNARefseqWeblink | NM_003255.4 |
| ProteinRefseqWeblink | NP_003246.1 |

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| MIMWeblink | 188825 |
| UniProtID | P16035 |
| UniProtIDWeblink | P16035 |
| GENE INFORMATION | |
| Synonyms | TIMP2; TIMP metallopeptidase inhibitor 2; tissue inhibitor of metalloproteinase 2; metalloproteinase inhibitor 2; CSC 21K; TIMP-2; tissue inhibitor of metalloproteinases 2; CSC-21K; |
| MIM | 188825 |