

## Active Recombinant Human TIMP3 protein, Fc-tagged

Cat. No. TIMP3-002H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TIMP3(Cys24-Pro211) fused with Fc region of human IgG1 at N-terminal was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Cys24-Pro211
<b>Form</b>	Lyophilized from 0.2µm-filtered solution in PBS.
<b>Bio-activity</b>	Measured by its ability to induce alkaline phosphatase production.
<b>Molecular Mass</b>	The predicted molecular mass is 48 kDa, and the apparent molecular mass is approximately 55 kDa in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	<0.06 EU/µg as determined by LAL test.
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions.
<b>Stability</b>	Stable for at least 1 year after receipt when stored at -20 centigrade. Working aliquots are stable for up to 3 months when stored at -20 centigrade. Avoid freeze/thaw cycles.
<b>Reconstitution</b>	Reconstitute with sterile water to a concentration of 1mg/ml. Add 1xPBS to the

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

desired protein concentration.

## GENE INFORMATION

<b>Gene Name</b>	TIMP3 TIMP metallopeptidase inhibitor 3 [ Homo sapiens ]
<b>Official Symbol</b>	TIMP3
<b>Synonyms</b>	TIMP3; TIMP metallopeptidase inhibitor 3; SFD, tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseudoinflammatory); metalloproteinase inhibitor 3; TIMP-3; MIG-5 protein; protein MIG-5; tissue inhibitor of metalloproteinases 3; SFD; K222; K222TA2; HSMRK222;
<b>Gene ID</b>	7078
<b>mRNA Refseq</b>	NM_000362
<b>Protein Refseq</b>	NP_000353
<b>MIM</b>	188826
<b>UniProt ID</b>	P35625
<b>Chromosome Location</b>	22q12.3
<b>Pathway</b>	Endochondral Ossification, organism-specific biosystem; Matrix Metalloproteinases, organism-specific biosystem;
<b>Function</b>	enzyme inhibitor activity; metal ion binding; metalloendopeptidase inhibitor activity; protein binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA