

Product datasheet for PH309796

TIMP2 (NM_003255) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TIMP2 MS Standard C13 and N15-labeled recombinant protein (NP_003246)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209796
Predicted MW:	24.4 kDa
Protein Sequence:	>RC209796 protein sequence Red=Cloning site Green=Tags(s) MGAARTLRRLALGLLLLATLLRPADACSCSPVHPQQAFCNADVIRAKAVSEKEVDSGNDIYGNPIKRIQ YEIKQIKMFKGPEKDIEFIYTAPSSAVCGVSLDVGGKKEYLIAGKAEGDKMHITLCDFIVPWTLLSTTQ KKSLNHRYSQMGCECKITRCPMIPCYISSPDECLWMDWVTEKNINGHQAKFFACIKRSDGSCAWYRGAAPP KQEFLDIEDP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_003246
RefSeq Size:	3670
RefSeq ORF:	660
Synonyms:	CSC-21K; DDC8
Locus ID:	7077
UniProt ID:	P16035 , A0A140VK57



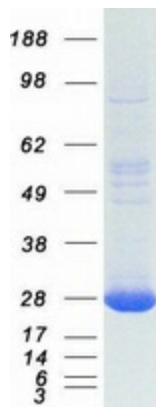
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Cytogenetics: 17q25.3

Summary: 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]

Protein Families: Druggable Genome, Secreted Protein

Product images:



Coomassie blue staining of purified TIMP2 protein (Cat# [TP309796]). The protein was produced from HEK293T cells transfected with TIMP2 cDNA clone (Cat# [RC209796]) using MegaTran 2.0 (Cat# [TT210002]).