

Datasheet for ABIN5854658
TIMP4 Protein (AA 30-224) (His tag)



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1 Image

Overview

Quantity:	50 µg
Target:	TIMP4
Protein Characteristics:	AA 30-224
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TIMP4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence: MFSSAHSGLL EKLPHYIDLH QDEFVQTLKE WVAIESDSVQ PVPRLRQKLF QMMALAADKL
RNLGAGVESI DLGSQQMPDG QSLPIPPILL AELGSDPEKP TVCFYGHLDV QPAQKDDGWL
TDPYTLTEVD GKLYGRGATD NKGPVLAWIN AVSTFRALQQ DLPVNIKLIL EGMEEAGSIA
LEELVMREKD HFFSSVDYIV ISDNLWLSQR KPALTYGTRG NCYFTVEVKC RDQDFHSGTF
GGILNEPMAD LVALLGSLVD SSGHILIPGI YDQMAPITEG EKTMYKNIDM DLEEYQNIHQ
VEKFLFDTK ELLMHLWRYP SLSIHGIEGA FDEPGTKTVI PGRVLGKFSI RLVPTMSPSV
VEKQVTQHLE AVFSKRNSFN KMAVSMVLGL HPWTANVNDT QYLAAQRTIK TVFGVNPDMI
RDGSTIPIAK IFQAITQKSV MMLPLGAVDD GEHSQNEKIN RWNVIQGSKL FAAFFLELSK
QHSGHQMPSS VYLEHHHHHH

Purity: > 95 % by SDS - PAGE

Endotoxin Level: < 1.0 EU per 1 microgram of protein (determined by LAL method)

Target Details

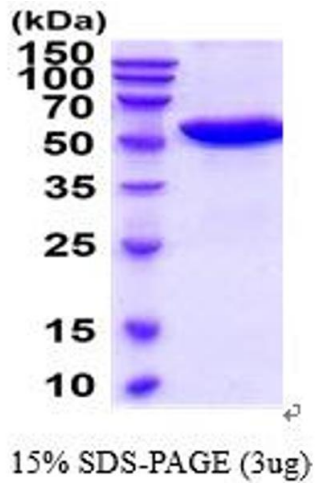
Target:	TIMP4
Alternative Name:	TIMP4 (TIMP4 Products)
Background:	Cndp1, as known as beta-Ala-His dipeptidase, is a member of the M20 metalloprotease family. In human, this protein is secreted from the liver into the serum. In other mammals, including rodents, it is expressed exclusively within the kidney and lacks a signal peptide. Also, it is a secreted homodimeric dipeptidase that specifically hydrolyzes L-carnosine, and is identified as human carnosinase expressed in the brain. Recombinant mouse Cndp1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	56.1kDa (500aa) 50-70kDa (SDS-PAGE under reducing conditions)
NCBI Accession:	NP_803233
UniProt:	Q8BUG2

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

Image 1.