

Datasheet for ABIN1095680

**MMP7 Protein (AA 95-267, full length) (GST tag)**[Go to Product page](#)**1** Image**2** Publications

## Overview

Quantity:	100 µg
Target:	MMP7
Protein Characteristics:	AA 95-267, full length
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MMP7 protein is labelled with GST tag.
Application:	ELISA

## Product Details

Sequence:	YSLFPNSPKW TSKVVTYRIV SYTRDLPHIT VDRLVSKALN MWGKEIPLHF RKVWVGTDI MIGFARGAHG DSYPFDGPGN TLAHAFAPGT GLGGDAHFDE DERWTDGSSL GINFLYAATH ELGHSLGMGH SSDPNAVMYP TYGNQDPQNF KLSQDDIKGI QKLYGKRSNS RKK
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	90 %

## Target Details

Target:	MMP7
Alternative Name:	Matrilysin protein ( <a href="#">MMP7 Products</a> )
Background:	Degrades casein, gelatins of types I, III, IV, and V, and fibronectin. Activates procollagenase.

## Target Details

Molecular Weight: 46.5 kD

UniProt: [P09237](#)

Pathways: [Production of Molecular Mediator of Immune Response](#)

## Application Details

**Comment:** The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

**Restrictions:** For Research Use only

## Handling

**Format:** Lyophilized

**Concentration:** 0.2-2 mg/mL

**Buffer:** Tris-based buffer, 50 % glycerol

**Handling Advice:** Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

**Storage:** -20 °C

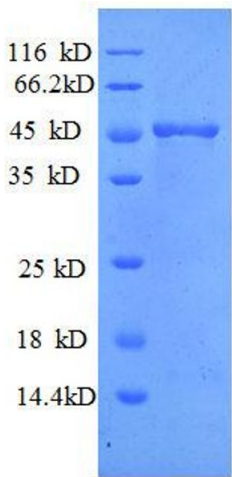
**Storage Comment:** Store at -20 °C for extended storage, conserve at -20 °C or -80 °C

## Publications

**Product cited in:** Marti, McNeil, Thomas, Davies, Lovett: "Molecular characterization of a low-molecular-mass matrix metalloproteinase secreted by glomerular mesangial cells as PUMP-1." in: **The Biochemical journal**, Vol. 285 ( Pt 3), pp. 899-905, (1992) ([PubMed](#)).

Muller, Quantin, Gesnel, Millon-Collard, Abecassis, Breathnach: "The collagenase gene family in

humans consists of at least four members." in: **The Biochemical journal**, Vol. 253, Issue 1, pp. 187-92, (1988) ([PubMed](#)).



**SDS-PAGE**

**Image 1.** Matrix Metallopeptidase 7 (Matrilysin, Uterine) (MMP7) (AA 95-267), (full length) protein (GST tag)