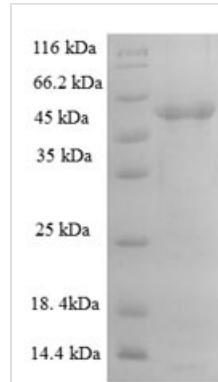




# Recombinant Human A disintegrin and metalloproteinase with thrombospondin motifs 7 (ADAMTS7), partial

<b>Product Code</b>	CSB-EP891951HU
<b>Relevance</b>	Metalloprotease that may play a role in the degradation of COMP.
<b>Abbreviation</b>	Recombinant Human ADAMTS7 protein, partial
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9UKP4
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	KWVETLVVADAKMVEYHGQPQVESYVLTIMNMVAGLFHDPSIGNPIHITIVRLV LLEDEEEDLKITHHADNTLKSFCKWQKSINMKGDAHPLHHDTAILLTRKDLCAA MNRPCETLGLSHVAGMCQPHRSCSINEDTGLPLAFTVAHELGHSGFIQHDGS GNDCEPVGKRPFIMSPQLLYDAAPLTWSRCSRQYITRFLDRGWGLCLDDPPA KDIDFPSVPPGVLYDVSHQCRLQYGAYSAFCEMDMNVCHTLWCSVGTTCHS KLDAAVDGTRCGENKWCLSGECVPVGFRPEAVDGGWWSGWSAWSICSRSCG MGVQSAERQCTQPTPKYKGRYCVGERKRFRCLCNLQACP
<b>Research Area</b>	Cell Biology
<b>Source</b>	E.coli
<b>Target Names</b>	ADAMTS7
<b>Protein Names</b>	Recommended name: A disintegrin and metalloproteinase with thrombospondin motifs 7 Short name= ADAM-TS 7 Short name= ADAM-TS7 Short name= ADAMTS-7 EC= 3.4.24.-Alternative name(s): COMPase
<b>Expression Region</b>	242-593aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-SUMO-tagged
<b>Mol. Weight</b>	52.1 kDa
<b>Protein Length</b>	Partial
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Description

Expressing the recombinant Human ADAMTS7 protein in e.coli cells involves inserting a DNA fragment encoding the Human ADAMTS7 protein (242-593aa) into a plasmid vector and transferring it to the e.coli cells. Positive cells are screened, cultured, and induced to express the ADAMTS7 protein. The protein carries a N-terminal 6xHis-SUMO tag. The cells are lysed to collect the recombinant Human ADAMTS7 protein, which is purified through affinity purification and then identified using SDS-PAGE and subsequent staining of the gel with Coomassie Brilliant Blue. The purity of the resulting recombinant Human ADAMTS7 protein exceeds 90%.

## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.