

## Recombinant Human PAPPA2 protein, His-tagged

**Cat. No.** PAPPA2-8059H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PAPPA2 aa. (His1309~Ser1492 (Accession # Q9BXP8)) fused with N-terminal His tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	His1309~Ser1492
<b>Description</b>	This gene encodes a member of the pappalysin family of metzincin metalloproteinases. The encoded protein cleaves insulin-like growth factor-binding protein 5 and is thought to be a local regulator of insulin-like growth factor (IGF) bioavailability. Alternative splicing results in multiple transcript variants.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	24kDa as determined by SDS-PAGE reducing conditions.
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 7.2.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.

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**Stability** The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

**Storage** Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

**Storage buffer** Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.

**Reconstitution** Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

**Gene Name** PAPPA2 pappalysin 2 [ Homo sapiens (human) ]

**Official Symbol** PAPPA2

**Synonyms** PAPPE; PLAC3; PAPP-E; PAPP-A2; placenta-specific 3; pregnancy-associated plasma preproprotein-A2; pregnancy-associated plasma protein E1; pappalysin-2

**Gene ID** 60676

**mRNA Refseq** NM\_020318.2

**Protein Refseq** NP\_064714.2

**UniProt ID** Q9BXP8

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