

Recombinant Human PAPPA2 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human PAPPA2 aa. (His1309~Ser1492 (Accession # Q9BXP8)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	His1309~Ser1492
Description	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.
Form	Freeze-dried powder
Molecular Mass	24kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 7.2.
Applications	SDS-PAGE; WB; ELISA; IP.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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