

Datasheet for ABIN7317837 **PAPPA2 Protein (His tag)**



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Overview

Quantity:	50 µg
Target:	PAPPA2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PAPPA2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human PAPPA2/Pappalysin 2 Protein (His Tag)
Sequence:	Ser 234-Cys 1396
Characteristics:	A DNA sequence encoding the human PAPPA2 mature form (NP_064714.2) corresponding to amino acid (Ser 234-Cys 1396) was expressed, with a carboxy-terminal polyhistidine tag.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	PAPPA2
Alternative Name:	PAPPA2/Pappalysin 2 (PAPPA2 Products)
Background:	Background: Pappalysin-2/PAPP-A2 is the second member of the pappalysin family of metzincin superfamily, of which PAPP-A is the first member. There is no homology between the prepro-peptides of PAPP-A and PAPP-A2, but 46 % of the residues of mature PAPP-A are also

Target Details

present in mature PAPP-A2. PAPP-A specifically cleaves insulin-like growth factor-binding protein(IGFBP)-4, one of six known modulators of IGF-I and -II, whereas PAPP-A2 specifically cleaved IGFBP-5 at one site, between Ser-143 and Lys-144. In contrast to the cleavage of IGFBP-4 by PAPP-A that strictly requires the presence of IGF, the cleavage of IGFBP-5 by PAPP-A2 was IGF-independent. Recent data firmly establish PAPP-A and IGFBP-4 as an important functional pair in several systems. Because of its close relationship with PAPP-A, both structurally and functionally, PAPP-A2 is a likely candidate for IGFBP-5 proteinase in many tissues and conditioned media where IGFBP-5 proteolysis has been reported.

Synonym: PAPP-A2,PAPP-E,PAPPE,PLAC3

Molecular Weight: 131 kDa

NCBI Accession: [NP_064714](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.