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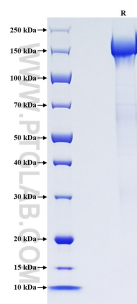
Recombinant Human PAPPA2 protein (rFc Tag)



Catalog Number: Eg2812

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/ µg protein, LAL method Source: HEK293-derived Human PAPPA2 protein Ser234-Cys1396 (Accession# Q9BXP8-1) with a rabbit IgG Fc tag at the C-terminus. GeneID: 60676 Accession: Q9BXP8-1 Predicted Molecular Mass: 155.2 kDa SDS-PAGE: 140-220 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	PAPPA2 (pregnancy-associated plasma protein-A2) was discovered as a protease which specifically cleaves IGF-binding protein (IGFBP)-3 and -5. PAPPA2 is very highly expressed in the placenta relative to all other tissues. PAPPA2 mRNA and protein are increased in association with pre-eclampsia. PAPPA2 deficiency results in growth impairment in humans with expected derangements in biochemical parameters including increased levels of total IGF-1, IGFBP-3, ALS, and growth hormone.		
References	1. Sifakis S, et al. (2018). Mol Med Rep. May;17(5):6435-6440. 2. Fujimoto M, et al. (2020). Mol Cell Endocrinol. Dec 1;518:110967. 3. Andrew M, et al. (2018). J Endocr Soc. May 28;2(7):646-656.		
Synonyms	PAPPA2, PAPP A2, PAPP E, pappalysin 2, PAPPE		

Selected Validation Data



Purity of Recombinant Human PAPPA2 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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