

Recombinant Mouse Pappa Protein, Myc/DDK-tagged

Cat. No. Pappa-4673M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length pregnancy-associated plasma protein A (Pappa), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Metalloproteinase which specifically cleaves IGFBP-4 and IGFBP-5, resulting in release of bound IGF. Cleavage of IGFBP-4 is dramatically enhanced by the presence of IGF, whereas cleavage of IGFBP-5 is slightly inhibited by the presence of IGF. Isoform 2 cleaves IGFBP-4 very slowly compared to PAPP-A, but its ability to cleave IGFBP-5 is unaffected.
Molecular Mass	181.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Pappa pregnancy-associated plasma protein A [<i>Mus musculus</i> (house mouse)]
Official Symbol	Pappa
Synonyms	PAPPA; pregnancy-associated plasma protein A; pappalysin-1; IGF-dependent IGFBP-4 protease; insulin-like growth factor-dependent IGF-binding protein 4 protease; PAG1; PAPP-A; IGFBP-4ase; 8430414N03Rik
Gene ID	18491
mRNA Refseq	NM_021362
Protein Refseq	NP_067337
UniProt ID	Q8R4K8

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