

Product datasheet for **TP527070**

Pappa (NM_021362) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse pregnancy-associated plasma protein A (Pappa), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T



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Expression cDNA Clone or AA Sequence: >MR227070 representing NM_021362
Red=Cloning site Green=Tags(s)

MRLWSWVLRGLLSAALGCGLAERPRRVRDDPRAVRPPRPAAGPATCATRAARGRRASPPPPPGGAWAV
 RVPRRRQQRAARGAEEPPSRALYFSGRGEQLRLRADLELPRDAFTLQVWVLAEGGQKSPAVITGLYDK
 CSYTSRDRGWVMGIHTTSDQGNRDPYFFSLKTRARKVTTIDAHRSYLPQWVHLAATYDGRMLKLYMN
 GAQVATSAEQVGGIFSLTQKCKVLMGGSALNHNFRGHIEHFSWLKQVARTQREIVSDMETRGLHTPLPQ
 LLLQENWDNVKRTWSPMKDGNSPQVEFSNAHGFLDNTLEPPLCGQTLCDNTEVISSYNQLPSFRQPKV
 RYRVVNIYDDHHEHNTVSWQQIDFQHQQLAEAFQHYNISWELEVLNINSSSLRHLILANCDISKIGDEK
 CDPECNHTLTGHDGGDCRQLRYPAFMKKQNGVCDMDCNYERFNFDGGECCDPDITDVTCTCFDPDPSHR
 AYLDVNELKNILRLDGSTHLNIFANSSEEEAGVATWPDKEALMHLGGIVLNPFSYFYGIPGHTHTMIHE
 IGHSLGLYHIFRGISEIQSCSDPCMETEPSFETGDLCDNTNPAPKHKFCGDPGPGNDTCGFHGFNTPYN
 NFMSYADDDCTDSFTPNQVSRMHICYLDLVYQSWQPSRKPAPVALAPQVVGHTMDSVMLEWFPPIDGHFFE
 RELGSACDLCLEGRILVQYAFNASSPMPGSGHWSPREAEGHPDVEQPCSSVRTWSPNSAVNPHTVPP
 ACPEPQGCYLELEFRYPLVPESLTIWVTFVSSDWDSSGAVNDIKLLTISGKNISLGPQNVFCDIPLTIRL
 RDVGEEVYGIQIYTLDEHLEIDAAMLTSTVDSPLCLQCKPLQYKVLDRPPLLEDVASLLHLNRRFMDTDL
 KLGSVYQYRIITISGNEESEPSAAIYTHGSGYCGDGVQKQDQGECCDDMNKVNNGDGCSLFCKQEVSNFC
 IDEPSRCYFHDGDMCEEFQKTSIKDCGVYTPQGFLDQWASNASVSHQDQCPGWVWIGQPAASQVCRT
 KVIDLSEGISQHAWYPTITYPYHLPQTTFWLQTYFSQPMVAAAVIIHLVTDGTYGDKQKQETISVQLL
 DTKDQSHDLGLHVLSCRNNPLIIPVVDLSQPFYHSQAVHVSFSSPLVAISGVALRSFDNFDVTLSSCQ
 RGETYSPAEQSCVHFACQAADCEPELAVGNASLNCSSNHYYHGAQCTVSCQTGYVLQIQRDDELISQVGP
 SITVTCTEGKWNKQVACEPVDGIPDHHHVVYAAFSCPEGTTFGRRCSFQCRHPAQLKGNNSFLTTCMEDG
 LWSFPEALCELMCLAPPPVFNADLQTARCENKHKVGSFCKYKCKPGYHVPGSSRKSCKRAFKTQCTQDG
 SWQEGTCVPVTCDDPPPKFHGLYQCTNGFQFNSECRICKEDSDASQGRGSNIIHCRKDGTWSGSFHVCRE
 MQGQCSAPNQLNSNLKLCQPDGYAIGSECAISCLDHNSEIILPVNLTVRDIHPHWMNPNTRVQRIVCTAGL
 QWYHPALIHCVKGCEPFMGDNYCDAINNRAFCDNYDGGDCCTSTVKTKKVTFPMSCDLQNDACARDPEA
 QEHNKDLRGYSHG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK
Predicted MW: 181.8 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage: Store at -80°C after receiving vials.
Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq: [NP_067337](#)

Locus ID:	18491
UniProt ID:	Q8R4K8
RefSeq Size:	11027
Cytogenetics:	4 34.14 cM
RefSeq ORF:	4872
Synonyms:	8430414N03Rik; IGFBP-4ase; PAG1; PAPP-A
Summary:	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.[UniProtKB/Swiss-Prot Function]