

## Product datasheet for TP315526M

### Pregnancy zone protein (PZP) (NM\_002864) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human pregnancy-zone protein (PZP), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215526 representing NM_002864 Red=Cloning site Green=Tags(s)

MRKDRLLHLCVLLVLLSASDSNSTEPQYMLVPSLLHTEAPKKGCVLLSHLNETVTVSASLESGRENR  
SLFTDLVAEKDLFHCVSFTLPRISASSEVAFLSIQIKGPTQDFRKRNTVLVNTQSLVQTDKPMYKPG  
QTVRFRVSVVDENFRPRNELIPLIYLENPRRNRIAQWQSLKLEAGINQLSFLSSEPIQGSYRVVQTES  
GGRIQHPFTVEEFVLPKFEVKVQVPKIISIMDEKVNITVCGEYTYGKVPVGLATVSLCRKLSRVLNCCKQ  
EVCEEFSQQLNSNGCITQQVHTKMLQITNTGFEMKLRVEARIREEGTDLEVTANRISEITNIVSKLKFVK  
VDSHFRQGIPFFAQVLLVDGKGVPIPNKLVFFISVNDANYYSNATTNEQGLAQFSINTTSISVNKLFVRVF  
TVHPNLCFHYSWVAEDHQGAQHTANRVFSLGSGYIHLEPVAGTLP CGHTTETAHYTLNRQAMGELSELS  
FHYLIMAKGVIVRSGHTLPVESGDMKGSFALSFPVESDVAPIARMFIFAILPDGEVVG DSEKFEIENCL  
ANKVDLSFSPAQSPASHAHLQVAAAPQSLCALRAVDQSVLLMKPEAELS VSSVYNLLTVKDLTNFPDNDV  
DQEEEEQGHCP RPFHNGAIYVPLSSNEADIYSFLKGMGLKVFTNSKIRKPKSCSVIPSVSAGAVGQGY  
YGAGLGVERPYVPQLGTYNVIPLNNEQSSGPVETVRSYFPETWIWELVAVNSSGVAEVGVTVPDTITE  
WKAGAFCLSE DAGLGISSTASLRAFQPFVVELTMPYSVIRGEVFTLKATVNLNPKIRVSVQLKASPAF  
LASQNTKGEESYCICGNERQTL SWTVTPKTLGNVNFVSVAEAMQSLELCGNEVVEVPEIKRKDTVIKTLL  
VEAEGIEQEKTFSSMTCASGANVSEQLSLKLPSNVKESARASFSVLGDILGSAMQNIQNLLQMPYGCGE  
QNMVLFAPNIYVLNLYNETQQLTQEIKAKAVGYLITGYQRQLNYKHQDGSYSTFGERYGRNQNTWLTAF  
VLKTFQAQARSYIFIDEAHITQSLTWLSQM QKDN GCFRSGSLLNNAIKGGVEDEATLSAYVTIALLEIPL  
PVTNPIVRNALFCLES AWNVAKEGTHGSHVYTKALLAYAFSLLGKQNQNREILNSLDKEAVKEDNLVHWE  
RPQRPKAPVGHLYQTQAPSAE VEMTSYVLLAYLTAQPAP TSGDLTSATNIVKWIMKQNAQGGFSSTQDT  
VVALHALSRYGAATFTRTEKTAQVTVQDSQTFSTNFQVDNNNLLLQ QISLPELPGEYVITVTGERCVYL  
QTSMKYNILPEKEDSPFALKVQTVPQTC DGHKAHTSFQISLTISYTG NRPASNMVIVDVKMVSGFIPLKP  
TVKMLERSSSVSRTEVSNNHVLIYVEQVTNQTLSFSFMVLQDIPVGD LKPAIVKVYDYETDESVAEYI  
APCSTDTEHGNV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

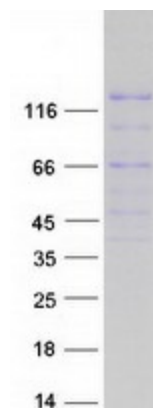
Tag: C-Myc/DDK



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<b>Predicted MW:</b>	163.7 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_002855</a>
<b>Locus ID:</b>	5858
<b>RefSeq Size:</b>	4615
<b>Cytogenetics:</b>	12p13.31
<b>RefSeq ORF:</b>	4446
<b>Synonyms:</b>	CPAMD6
<b>Summary:</b>	The protein encoded by this gene is highly expressed in late-pregnancy serum and is similar in structure to alpha-2-macroglobulin. The encoded protein, which acts as a homotetramer, inhibits the activity of all four classes of proteinases. This protein contains cleavage sites for several proteinases. Upon binding of a proteinase, the conformation of this protein changes to trap the proteinase, limiting its activity. This protein appears to be elevated in the sera of presymptomatic Alzheimer's disease patients. [provided by RefSeq, Dec 2016]
<b>Protein Families:</b>	Druggable Genome

### Product images:



Coomassie blue staining of purified PZP protein (Cat# [TP315526]). The protein was produced from HEK293T cells transfected with PZP cDNA clone (Cat# [RC215526]) using MegaTran 2.0 (Cat# [TT210002]).