

## Product datasheet for TP315526

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

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human pregnancy-zone protein (PZP), 20 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC215526 representing NM\_002864  
Red=Cloning site Green=Tags(s)

MRKDRLLHLCVLLVLLLSASDSNSTEPQYMLVPSLLHTEAPKKGCVLLSHLNETVTVSASLESGRENR  
 SLFTDLVAEKDLFHCVSFTLPRISASSEVAFLSIQIKGPTQDFRKRNTVLLVNTQSLVQVTDKPMYKPG  
 QTVRFRVSVVDENFRPRNELIPLIYLENPRRNRIAQWQSLKLEAGINQLSFLSSEPIQGSYRVVWQTES  
 GGRIQHPFTVEEFVLPKFEVKVQVPKIISIMDEKVNITVCGEYTYGKVPVGLATVSLCRKLSRVLNCQKQ  
 EVCEEFSQQLNSNGCITQQVHTKMLQITNTGFEMKLRVEARIREEGTDLEVTANRISEITNIVSKLKFVK  
 VDSHFRQGIPFFAQVLLVDGKGVPIPNKLVFFISVNDANYYSNATTNEQGLAQFSINTTSISVNKLFVRVF  
 TVHPNLCFHYSWVAEDHQGAQHTANRVFSLSGSYIHLEPVAGTLP CGHTETITAHYTLNRQAMGELSELS  
 FHYLIMAKGVIVRSHTLPVESGDMKGSFALSFPVESDVAPIARMFIFAILPDGEVVG DSEKFEIENCL  
 ANKVDLSFSPAQSPASHAHLQVAAAPQSLCALRAVDQSVLLMKPEAELS VSSVYNLLTVKDLTNFPD NV  
 DQQEEEQGHCP RPFHNGAIYVPLSSNEADIYSFLKGMGLKVFTNSKIRKPKSCSVIPSVSAGAVGQGY  
 YGAGLGVERPYVPQLGTYNVIPLNNEQSSGPVETVRSYFPETWIWELVAVNSSGVAEVGVTVPDTITE  
 WKAGAFCLSE DAGLGISSTASLRAFQPFVVELTMPYSVIRGEVFTLKATVNLNPKIRVSVQLKASPAF  
 LASQNTKGEESYICGNERQTL SWTVTPKTLGNVNFVSVAEAMQSLELCGNEVVEVPEIKRKDTVIKTLL  
 VEAEGIEQEKTFSSMTCASGANVSEQLSLKLPSNVKESARASFSVLGDILGSAMQNIQNLLQMPYGCGE  
 QNMVLFAPNIYVNLN NETQQLTQEIKAKAVGYLITGYQRQLNYKHQDGSYSTFGERYGRNQNTWLTAF  
 VLKTFQAQARSYIFIDEAHITQSLTWLSQM QKDN GCFRSGSLLNNAIKGGVEDEATLSAYVTIALLEIPL  
 PVTNPIVRNALFCLES AWNVAKEGTHGSHVYTKALLAYAFSLLGKQNQNREILNSLDKEAVKEDNLVHWE  
 RPQRPKAPVGHLYQTQAPSAEVE MTSYVLLAYLTAQPAP TSGDLTSATNIVKWIMKQNAQGGFSSTQDT  
 VVALHALSRYGAATFTRTEKTAQVTVQDSQTFSTNFQVDNNNLLLQ QISLPELPGEYVITVTGERCVYL  
 QTSMKYNILPEKEDSPFALKVQTVPQTCDGHKAHTSFQISLTISYTG NRPASNMVIVDVKMVSGFIPLKP  
 TVKMLERSSSVSRTEVSNNHVLIYVEQVTNQTLSFSFMVLQDIPVGD LKPAIVKVYDYETDESVAEYI  
 APCSTDTEHGNV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

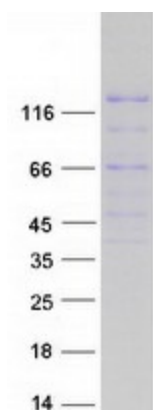
**Tag:** C-Myc/DDK



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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]).