

Product datasheet for TP315526L

Pregnancy zone protein (PZP) (NM_002864) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human pregnancy-zone protein (PZP), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215526 representing NM_002864 Red=Cloning site Green=Tags(s)

MRKDRLLHLCVLLVLLSASDSNSTEPQYMLVPSLLHTEAPKKGCVLLSHLNETVTVSASLESGRENR
SLFTDLVAEKDLFHCVSFTLPRISASSEVAFLSIQIKGPTQDFRKRNTVLLVNTQSLVQTDKPMYKPG
QTVRFRVSVVDENFRPRNELIPLIYLENPRRNRIAQWQSLKLEAGINQLSFLSSEPIQGSYRVVVQTES
GGRIQHPFTVEEFVLPKFEVKVQVPKIISIMDEKVNITVCGEYTYGKVPVGLATVSLCRKLSRVLNCQKQ
EVCEEFSQQLNSNGCITQQVHTKMLQITNTGFEMKLRVEARIREEGTDLEVTANRISEITNIVSKLKFVK
VDSHFRQGIPFFAQVLLVDGKGVPIPNKLVVNDANYYSNATTNEQGLAQFSINTTSISVNKLFVRVF
TVHPNLCFHYSWVAEDHQGAQHTANRVFSLGSGYIHLEPVAGTLPCGHTTETAHYTLNRQAMGELSELS
FHYLIMAKGVIVRSGHTLPVESGDMKGSFALSFPVESDVAPIARMFIFAILPDGEVVGDESEKFEIENCL
ANKVDLSFSPAQSPASHAHLQVAAAPQSLCALRAVDQSVLLMKPEAELSVSSVYNLLTVKDLTNFPDNDV
DQEEEEQGHCPRPFFIHNGAIYVPLSSNEADIYSFLKGMGLKVFTNSKIRKPKSCSVIPSVSAGAVGQGY
YGAGLGVERPYVPQLGTYNVIPLNNEQSSGPVETVRSYFPETWIWELVAVNSSGVAEVGVTVPDTITE
WKAGAFCLSEDAAGLISSTASLRAFQPFVVELTMPYSVIRGEVFTLKATVNLNPKIRVSVQLKASPAF
LASQNTKGEESYCICGNERQTLVTPKTLGNVNFVSVAEAMQSLELCGNEVEVPEIKRKDTVIKTLL
VEAEGIEQKTFSSMTCASGANVSEQLSLKLPNSVVKESARASFSVLGDILGSAMQNIQNLLQMPYGCGE
QNMVLFAPNIYVNLNETQQLTQEIKAKAVGYLITGYQRQLNYKHQDGSYSTFGERYGRNQNTWLTAF
VLKTFQAQARSYIFIDEAHITQSLTWLSQMQRDNGCFRSGSLLNNAIKGGVEDEATLSAYVTIALLEIPL
PVTNPIVRNALFCLESAWNVAKEGTHGSHVYTKALLAYAFSLLGKQNRQREILNSLDKEAVKEDNLVHWE
RPQRPKAPVGHLYQTQAPSAEVEVMTSYVLLAYLTAQPAPTSGLTSATNIVKWIMKQNAQGGFSSTQDT
VVALHALSRYGAATFTRTEKTAQVTVQDSQTFSTNFQVDNNNLLLQQLPELPGYVITVTGERCVYL
QTSMKYNILPEKEDSPFALKVQVTPQTCGDGHKAHTSFQISLTISYTGNRNPASNMVIVDVKMVSGFIPLKP
TVKMLERSSSVSRTEVSNHVLIVYEQVTNQTLSFSFMVLQDIPVGDLPKPAIVKVYDYETDESVAEYI
APCSTDTEHGNV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

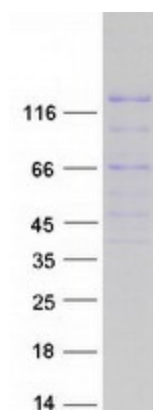
Tag: C-Myc/DDK



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Predicted MW:	163.7 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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_002855
Locus ID:	5858
RefSeq Size:	4615
Cytogenetics:	12p13.31
RefSeq ORF:	4446
Synonyms:	CPAMD6
Summary:	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]
Protein Families:	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]).