

# Recombinant Human PZP Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** PZP-5745H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	PZP MS Standard C13 and N15-labeled recombinant protein (NP_002855) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</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.
<b>Molecular Mass</b>	163.7 kDa
<b>AA Sequence</b>	MRKDRLLHLCLVLLILLISASDSNSTEPQYMVLVPSLLHTEAPKKGCVLLSHLNETVT VSASLESGRENRSFLFDLVAEKDLFHCVSFTLPRISASSEVAFLSIQIKGPTQDFRKR NTVLVLNTQSLVFVQTDKPMYKPGQTVRFRVVSVDENFRPRNELIPLIYLENPRRNR AQWQSLKLEAGINQLSFPLSSEPIQGSYRVVQTESGGRIQHPFTVEEFVLPKFEVK VQVPKIISIMDEKVNITVCGEYTYGKPVPLATVSLCRKLSRVLNCDKQEVCEEFSQQ LNSNGCITQQVHTKMLQITNTGFEMKLRVEARIREEGTDLEVTANRISEITNIVSKLKF

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VKVDSHFRQGIFFAQVLLVDGKGVPIPNKLVFFISVNDANYYSNATTNEQGLAQFSIN  
TTSISVNLKLFVRVFTVHPNLCFHYSWVAEDHQGAQHTANRVFSLSGSYIHLEPVAGT  
LPCGHTETITAHYTLNRQAMGELSELSFHYLIMAKGVIVRSGTHTLPVESGDMKGSF  
ALSFPVESDVAPIARMFIFAILPDGEVVGDESEKFEIENCLANKVDLSFSPAQSPASH  
AHLQVAAAPQSLCALRAVDQSVLLMKPEAELSVSSVYNLLTVKDLTNFPDNDQQE  
EEQGHCPRPFFIHNGAIYVPLSSNEADIYSFLKGMGLKVFTNSKIRKPKSCSVIPSVS  
AGAVGQGYGAGLGVVERPYVPQLGTYNVIPLNNEQSSGPVETVRSYFPETWIW  
ELVAVNSSGVAEVGVTVPDTITTEWKAGAFCLSEADAGLISSTASLRAFQPPFFVELTM  
PYSVIRGEVFTLKATVLNLYLPCIRVSVQLKASPAFLASQNTKGEESYICGNERQTL  
SWTVTPKTLGNVNFVSAEAMQSLELCGNEVVEVPEIKRKDTVIKTLLVEAEGIEQEK  
TFSSMTCASGANVSEQLSLKLP SNVVKESARASFSVLGDILGSAMQNIQNLLQMPYG  
CGEQNMVLFAPNIYVLNLYLNETQQLTQEIKAKAVGYLITGYQRQLNYKHQDGSYSTF  
GERYGRNQGNTWLTAFVLKTFQAQARSYIFIDEAHITQSLTWLSQMQKDNGCFRSSG  
SLLNNAIKGGVEDEATLSAYVTIALLEIPLPVTNPIVRNALFCLESANVVAKEGTHGSH  
VYTKALLAYAFSLLGKQONREILNSLDKEAVKEDNLVHWERPQRPKAPVGHLYQT  
QAPSAEVEMTSYVLLAYLTAQPAPTSGLTSATNIVKWIMKQNAQGGFSSTQDTV  
VALHALSRYGAATFTRTEKTAQVTVQDSQTFSTNFQVDNNLLLLLQQISLPELPGEY  
VITVTGERCVYLQTSMKYNILPEKEDSPFALKVQTVPQTCDGHKAHTSFQISLTISYT  
GNRPASNMMVIVDVKMVSGFIPLKPTVKMLERSSSVSRTEVSNNHVLIYVEQVTNQTL  
SFSFMVLQDIPVGDLPKPAIVKVYDYETDESVAEYIAPCSTDTEHGNVTRTRPLEQK  
LISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

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**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** PZP PZP alpha-2-macroglobulin like [ Homo sapiens (human) ]

**Official Symbol** PZP

**Synonyms** PZP; PZP alpha-2-macroglobulin like; CPAMD6; pregnancy zone protein; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 6; Pregnancy zone protein; pregnancy-zone protein

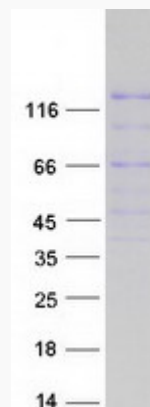
**Gene ID** 5858

**mRNA Refseq** NM\_002864

**Protein Refseq** NP\_002855

**MIM** 176420

## SDS-PAGE



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