

Product datasheet for PH315526

Pregnancy zone protein (PZP) (NM_002864) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PZP MS Standard C13 and N15-labeled recombinant protein (NP_002855)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215526
Predicted MW:	163.7 kDa
Protein Sequence:	>RC215526 representing NM_002864 Red=Cloning site Green=Tags(s)

MRKDRLLHLCLVLLILLASDSNSTEPQYMLVPSLLHTEAPKKGCVLLSHLNETVTVSASLESGREN
SLFTDLVAEKDLFHCVSFTLPRISASSEVAFLSIQIKGPTQDFRKRNTVLVLNTQSLVVFQTDKPMYKPG
QTVRFRVVSVDENFRPRNELIPLIYLENPRRRIAQWQSLKLEAGINQLSFPLSSEPIQGSYRVVVQTES
GGRIQHPFTVEEFVLPKFEVKVQVPKIIISIMDEKVNITVCGEYTYGKPVPLATVSLCRKLSRVLNCQKQ
EVCEEFSQQLNSNGCITQQVHTKMLQITNTGFEMKLRVEARIREEGTDLEVTANRISEITNIVSKLKFVK
VDSHFRQGIPIFFAQVLLVDGKGVPIPNKLFISVNDANYYSNATTNEQGLAQFSINTTISVKNLFRVRF
TVHPNLCFHYSWAEDHQGAQHTANRVFSLSGSYIHLEPVAGTLP CGHTETITAHYTLNRQAMGELSELS
FHYLIMAKGVIIVRSQHTLTPVESGDMKGSFALSFPVESDVAPIARMIFFAILPDGEVVGDSKFEIENCL
ANKVDLSFSPAQSPASHAHLQVAAAPQSLCALRAVDQSVLLMKPEAELSVSSVYNLLTVKDLTNFPDNV
DQEQEEQGHCPFPFFIHNGAIYVPLSSNEADIYSFLKGMGLKVFTNSKIRKPKSCSVIPSVSAGAVGQGY
YGAGLGVVERPYVQLGTYNVIPLNNEQSSGVPETVRSYFPETWIWELVAVNSSGVAEVGTVPDITITE
WKAGAFCLSEDAGLGISSTASLRAFQPPFVELTMPYSVIRGEVFTLKATVLNLYLPCIRVSVQLKASPAF
LASQNTKGEEASYCIGNERQTLSTVTPKTLGNVNFVSVAEAMQSLLECGNEVVEVPEIKRKDTVIKTL
VEAEGIEQKTFSSMTCASGANVSEQLSLKLP SNVVKESARASFSVLGDILGSAMQNIQNLLQMPYGCGE
QNMVLFAPNIYVLNLYNETQQLTQEIKAKAVGYLITGYQRQLNYKHQDGSYSTFGERYGRNQNTWLTAF
VLKTFQAQARSYIFIDEAHITQSLTWLSQMOKDNGCFRSSGSLNNAIKGGVEDEATLSAYVTIALLEIPL
PVTNPIVRNALFCLESAWNVAKEGTHGSHVYTKALLAYAFSLLGKQONREILNSLDKEAVKEDNLVHWE
RPQRPKAPVGHLYQTQAPSAEVEMTSYVLLAYLTAQPAPTSGLDTSATNIVKWIWKQQAQGGFSSTQDT
VVALHALSRYGAATFTRTEKTAQVTVQDSQTFSTNFQVDNLLLQQLISLPELPGYVITVTGERCVYL
QTSMKYNILPEKEDSPFALKVQTVPQTCDGHAHTSFQISLTSISYTGNRPASNMVIVDVKVMVSGFIPLKP
TVKMLERSSSVSRTEVSNHVLIIYVEQVTNQTLSFSFMVLQDIPVGDLPKPAIVKVYDYYETDESVAEYI
APCSTDTEHGNV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

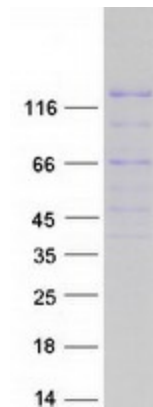
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002855
RefSeq Size:	4615
RefSeq ORF:	4446
Synonyms:	CPAMD6
Locus ID:	5858
Cytogenetics:	12p13.31
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]).