

Recombinant Human PZP Protein (472-821 aa), GST-tagged

Cat. No. PZP-1498H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PZP Protein (472-821 aa) is produced by Yeast expression system. This protein is fused with a GST tag at the N-terminal. Research Area: Neuroscience. Protein Description: Partial.
Species	Human
Source	Yeast
ProteinLength	472-821 aa
Description	Is able to inhibit all four classes of proteinases by a unique 'trapping' mechanism. This protein has a peptide stretch, called the 'bait region' which contains specific cleavage sites for different proteinases. When a proteinase cleaves the bait region, a conformational change is induced in the protein which traps the proteinase. The entrapped enzyme rains active against low molecular weight substrates (activity against high molecular weight substrates is greatly reduced). Following cleavage in the bait region a thioester bond is hydrolyzed and mediates the covalent binding of the protein to the proteinase.
Form	Tris-based buffer,50% glycerol
Molecular Mass	65.3 kDa
AA Sequence	MKPEAELSVSSVYNLLTVKDLTNFPDNVDQEEEEQGHCPRPFFIHNGAIYVPLSSNE ADIYSFLKGMGLKVFTNSKIRKPKSCSVIPSVSAGAVGQGYYGAGLGVVERPYVPQL

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GTYNVIPLNNEQSSGPVETVRSYFPETWIWELVAVNSSGVAEVGVTVPDTITEWKA
GAFCLSEDAGLGISSTASLRAFQPPFFVELTMPYSVIRGEVFTLKATVLNLYLPKCIRAE
GIEQKTFSSMTCASGANVSEQLSLKLPSNVVKESARASFSVLGDILGSAMQNIQNL
LQMPYGCGEQNMVLFAPNIYVLNLYNETQQLTQEIKAKAVGYLITGYQRQLNYKHQD
GSYSTFG

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

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

Official Symbol PZP

Synonyms CPAMD6;

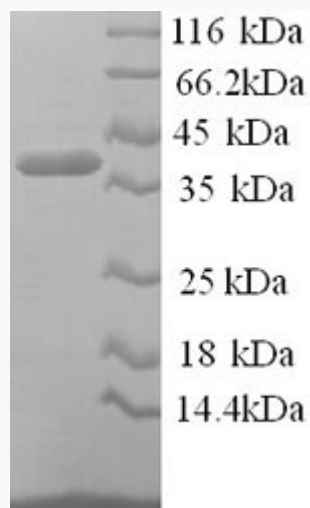
Gene ID 5858

UniProt ID P20742

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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