

Recombinant human Pregnancy zone protein

Catalog No: #AP72749



Package Size: #AP72749-1 20ug #AP72749-2 100ug #AP72749-3 1mg

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Description

Product Name	Recombinant human Pregnancy zone protein
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:472-821aaSequence Info:Partial of Isoform 2
Other Names	C3 and PZP-like alpha-2-macroglobulin domain-containing protein 6
Accession No.	P20742
Uniprot	P20742
Calculated MW	65.3 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MKPEAELSVSSVYNLLTVKDLTNFPDNDQEEEEQGHCPFFIHNGAIYVPLSSNEADIYSFLKGMGLKVFTN SKIRKPKSCSVIPSVSAGAVGQGYGAGLGVVERPYVPQLGTYNVIPLNNEQSSGPVETVRSYFPETWIWEL VAVNSSGVAEVGVTVPDTITTEWKAGAFCLSEDAGLGISSTASLRAFQPPFVELTMPYSVIRGEVFTLKATVLNY LPKCIRAEGIEQKETFSSMTCASGANVSEQLSLKLPSNVVKESARASFSVLGDILGSAMQNIQNLLQMPYGGC EQNMVLFAPNIYVLNLYNETQQLTQEIKAKAVGYLITGYQRQLNYKHQDGSYSTFG
Formulation	Tris-based buffer50% glycerol
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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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.

References

Primary structure of pregnancy zone protein. Molecular cloning of a full-length PZP cDNA clone by the polymerase chain reaction.Devriendt K., van den Berghe H., Cassiman J.-J., Marynen P.Biochim. Biophys. Acta 1088:95-103(1991)Research Topic:Neuroscience

Note: This product is for in vitro research use only