

## Recombinant Carica papaya Papain

Catalog No: #AP74060

Package Size: #AP74060-1 20ug #AP74060-2 100ug #AP74060-3 1mg

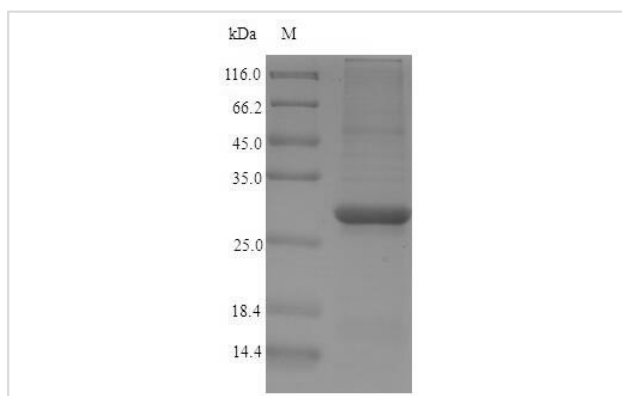
Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Recombinant Carica papaya Papain
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:134-345aaSequence Info:Full Length
Other Names	Papaya proteinase I Short name:PPI
Accession No.	P00784
Uniprot	P00784
Calculated MW	27.4 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	IPEYVDWRQKGAVTPVKNQGSCGSCWAFSAVVITIEGIIKIRTGNLNEYSEQELLDCCRYSYGCNGGYPWSAL QLVAQYGIHYRNTYPYEGVQRYCRSREKGPYAAKTDGVRQVQPYNEGALLYSIANQPVSVVLEAAGKDFQLY RGGIFVGPCGNKVDHAVAAGVYGPNIYILIKNSWGTGWGENGYIRIKRGTGNSYGVCGLYTSSFPVKN
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.

## Images



## Background

## Catalytic activityi

Hydrolysis of proteins with broad specificity for peptide bonds, but preference for an amino acid bearing a large hydrophobic side chain at the P2 position. Does not accept Val in P1'.

## References

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"Structure of papain." Drenth J., Jansonius J.N., Koekoek R., Swen H.M., Wolthers B.G. Nature 218:929-932(1968) Research Topic: Allergen

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Note: This product is for in vitro research use only