

Recombinant Staphylococcus aureus Staphopain B

Catalog No: #AP71503



Package Size: #AP71503-1 20ug #AP71503-2 100ug #AP71503-3 1mg

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Description

Product Name	Recombinant Staphylococcus aureus Staphopain B
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:220-393aaSequence Info:Full Length
Other Names	Staphylococcal cysteine proteinase BStaphylopain B
Accession No.	Q99V46
Uniprot	Q99V46
Calculated MW	46.9 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	DQVQYENTLKNFKIREQQFDNSWCAGFSMAALLNATKNTDTYNAHDIMRTLYPEVSEQDLPNCSTFPNQMIE YGKSQGRDIHYQEGVPSYEQVDQLTKDNVGMILAQSVSQPNPNDPHLGHALAVVGNKINDQEKLIYWNPWD TELSIQDADSSLLHLSFNDRDYNWYGSMIGY
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

Cysteine protease able to degrade elastin, fibrogen, fibronectin and kininogen. Exhibits a strong preference for substrates where arginine is preceded by a hydrophobic amino acid. Promotes detachment of primary human keratinocytes. Along with other Extracellular domain proteases is involved in colonization and infection of human tissues .

References

Genetic characterization of staphopain genes in Staphylococcus aureus.Golonka E., Filipek R., Sabat A., Sinczak A., Potempa J.Biol. Chem. 385:1059-1067(2004)Research Topic:Others

Note: This product is for in vitro research use only