

# ANTIGENIX AMERICA, INC.

## PRODUCT INFORMATION SUMMARY

### Staphylococcus Glu-C ( Recombinant )

Purified Factor	Product Number	HC411430A	50.0 ug
	Product Number	HC411430B	250.0 ug

#### DESCRIPTION:

Staphylococcus Glu-C (V8 Protease or Glu-C) is a protease that cleaves at the Carboxyl side of E residue ( and the D residue under certain conditions). The Proteases ( proteolytic enzymes) are enzymes that hydrolyze bonds adjacent to specific sequence residues within the target protein and are involved in many immune systems, including signal transduction, embryonic development, and immune related diseases.

Recombinant Staphylococcus Glu-C is a 28.8 kDa protease with 266 aa. Residues.

**SOURCE:** E. Coli  
Purity > 95% by HPLC analysis  
Endotoxin < 0.1 ng per ug Glu-C  
Sterile-filtered and lyophilized from 10mM Tris

#### BIOLOGICAL ACTIVITY:

Will cleave Carboxyl side of E residue and also cleave D under certain conditions.

#### HANDLING AND STORAGE:

Purified Glu-C factor is provided lyophilized. Store lyophilized, at -20° C. Microcentrifuge before reconstitution (see below). Upon reconstitution in 50 - 100 uL of **sterile or distilled water. Further dilute** in PBS or other buffered solutions **containing 0.1% BSA** or similar carrier protein. Store small aliquots at -20° C, with addition of 0.1% BSA, for long-term storage - up to 3 months, at high concentration.

**AVOID** repeat freeze-thaw.

**Before opening vial,** it is recommended to microcentrifuge vial for 30 seconds to spin-down any lyophilized material that may adhere to top of vial. The small amounts of protein may adhere to the vial as a very thin coat of lyophilized material, and may be difficult to see as a pellet.

**RESEARCH USE ONLY -NOT for DRUG USE**

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