

Recombinant Tachypleus tridentatus Limulus clotting factor C, partial

Catalog No: #AP77477

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Package Size: #AP77477-1 20ug #AP77477-2 100ug #AP77477-3 1mg

Description

Product Name	Recombinant Tachypleus tridentatus Limulus clotting factor C, partial
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 85% as determined by SDS-PAGE.
Immunogen Description	Expression Region:763-1019aaSequence Info:Partial
Accession No.	P28175
Uniprot	P28175
Calculated MW	35 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	IWNGNSTEIGQWPWQAGISRWLADHNMWFLQCGGSLLEKWIWVTAHCVTYSATAEIIDPSQFKIYLGKYYRD DSRDDDYVQVREALEIHVNPNYDPGNLNFIDIALIQLKTPVTLTTRVQPICLPTDITTREHLKEGTLAVVTGWGLN ENNTYSEMIQQAFLPVVAASTCEEYKADLPLTVTENMFCAGYKKGRYDACSGDSGGPLVFADDSRTERR WVLEGIVSWGSPSGCGKANQYGGFTKVNFLSWIRQFI
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

This enzyme is closely associated with an endotoxin-sensitive hemolymph coagulation system which may play important roles in both hemostasis and host defense mechanisms. Its active form catalyzes the activation of factor B.

References

“Lipopolysaccharide-sensitive serine-protease zymogen (factor C) of horseshoe crab hemocytes. Identification and alignment of proteolytic fragments produced during the activation show that it is a novel type of serine protease.” Tokunaga F., Miyata T., Nakamura T., Morita T., Kuma K., Miyata T., Iwanaga S. Eur. J. Biochem. 167:405-416(1987)

Research Topic:Others

Note: This product is for in vitro research use only