

Active Recombinant Staphylococcus alpha Hemolysin protein

Cat. No. Hla-01S Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Staphylococcus full length active alpha Hemolysin protein without tag was expressed in E. coli. Endotoxin level: = 5.165 Eu/mg
Species	Staphylococcus
Source	E.coli
Description	Staphylococcus aureus alpha Hemolysin binds to the membrane of eukaryotic cells resulting in the release of low-molecular weight molecules and leading to an eventual osmotic lysis. The toxin self-assembles to form first, a nonlytic oligomeric intermediate, and then, a mushroom-shaped homoheptamer structure. Heptamer oligomerization and pore formation is required for lytic activity.
Form	Liquid
Bio-activity	This product is active in functional lysis assays with rabbit red blood cells. EC50 ~0.015 µg/mL.
Molecular Mass	33 kDa
Applications	WB, Functional Studies, SDS-PAGE, ELISA
Storage	Store at -80 centigrade.

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Concentration	100 µg at 1.489 mg/mL
Storage Buffer	PBS, 20% Glycerol (glycerin, glycerine)
Shipping	Shipped at 4 centigrade.
Full Length	Full L.
GENE INFORMATION	
UniProt ID	P09616
Functional Studies	<p>Lysis of rabbit red blood cells by <i>S. aureus</i> Hla.</p> <p>Red blood cell lysis was determined by absorbance at OD416 nm after 30 min incubation at 37 centigrade with Hla.</p>
SDS-PAGE	Lane 1: 5 µg; Lane 2: 1 µg.
WB	<p>All lanes: Mouse anti-Alpha Toxin (6C12) monoclonal antibody at 1 µg/mL</p> <p>Lane 1: Recombinant Staphylococcus alpha Hemolysin protein (Active) at 0.005 µg</p> <p>Lane 2: Recombinant Staphylococcus alpha Hemolysin protein (Active) at 0.01 µg</p> <p>Lane 3: Recombinant Staphylococcus alpha Hemolysin protein (Active) at 0.05 µg</p> <p>Secondary</p> <p>All lanes: Anti-mouse IgG-HRP conjugate</p>

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