

Recombinant Active S. alpha HLY protein

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

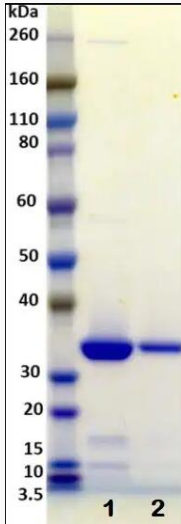
SPECIFICATION

Product Overview	Recombinant Active S. alpha HLY protein without tag was expressed in E. coli.
Species	S.alpha
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	Hemolysin is active in functional lysis assays with rabbit red blood cells. EC50 ~0.015 µg/mL.
Molecular Mass	33 kDa
Endotoxin	5.165 Eu/mg
Purity	> 80% SDS-PAGE
Applications	WB, Functional Studies, SDS-PAGE, ELISA

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Storage	Store at -80 centigrade.
Storage Buffer	Constituents: PBS, 20% Glycerol (glycerin, glycerine) This product is an active protein and may elicit a biological response in vivo, handle with caution.
Shipping	Shipped at 4 centigrade.
GENE INFORMATION	
Official Symbol	HLY
Synonyms	Alpha hemolysin; Alpha HL; Alpha toxin; Hla; Hly; Staphylococcus alpha HL; Staphylococcus alpha toxin
UniProt ID	P09616
SDS-PAGE	 Recombinant Staphylococcus alpha Hemolysin protein (Active)

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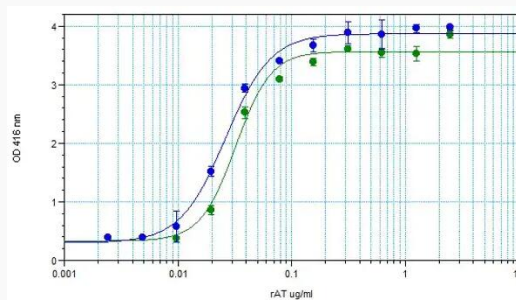
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Lane 1: 5 µg.

Lane 2: 1 µg.

Functional Studies



Recombinant Staphylococcus alpha Hemolysin protein (Active) Lysis of rabbit red blood cells by S. aureus Hla. Red blood cell lysis was determined by absorbance at OD 416 nm after 30 min incubation at 37 centigrade with Hla.

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