Recombinant Staphylococcus Aureus ISDB Protein (41-269 aa), His-SUMO-tagged

Cat. No. ISDB-2081S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Staphylococcus Aureus (strain USA300/TCH1516) ISDB Protein (41-269 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Microbiology. Protein Description: Partial.
Species	Staphylococcus Aureus
Source	E.coli
ProteinLength	41-269 aa
Description	Seems to function as the primary receptor for hemoglobin since its inactivation inhibits the ability of S.aureus to bind hemoglobin. Binds hemoglobin in a dose-dependent way. Required for S.aureus growth using hemoglobin as the sole iron source. Also required for virulence. IsdA and/or IsdB promote resistance to hydrogen peroxide and killing by neutrophils (By similarity).
Form	Tris-based buffer,50% glycerol
Molecular Mass	41.6 kDa
AA Sequence	AAEETGGTNTEAQPKTEAVASPTTTSEKAPETKPVANAVSVSNKEVEAPTSETKEAK EVKEVKAPKETKEVKPAAKATNNTYPILNQELREAIKNPAIKDKDHSAPNSRPIDFEM KKKDGTQQFYHYASSVKPARVIFTDSKPEIELGLQSGQFWRKFEVYEGDKKLPIKLV

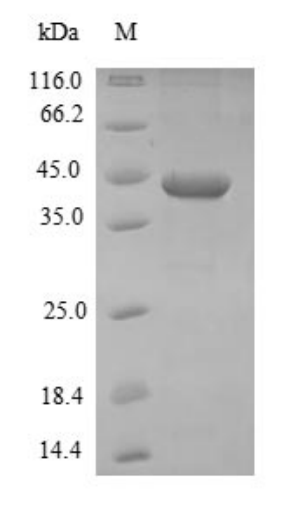
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	SYDTVKDYAYIRFSVSNGTKAVKIVSSTHFNNKEEKYDYTLMEFAQPIYNSADKFKT
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related 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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Synonyms	isdB;
UniProt ID	P0C7J5

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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