



Recombinant Staphylococcus aureus Iron-regulated surface determinant protein B (isdB), partial

Product Code	CSB-EP313758SUM
Relevance	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).
Abbreviation	Recombinant Staphylococcus aureus isdB protein, partial
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.
Uniprot No.	P0C7J5
Alias	Fur-regulated protein B Staphylococcal iron-regulated protein H Staphylococcus aureus surface protein J
Product Type	Recombinant Protein
Immunogen Species	Staphylococcus aureus (strain USA300 / TCH1516)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	AAEETGGTNTTEAQPKEAVASPTTTSEKAPETKPVANAVSVSNKEVEAPTSET KEAKEVKEVKAPKETKEVKPAKATNNTYPILNQELREAIKNPAIKDKDHSAPN SRPIDFEMKKKDGTQQFYHYASSVKPARVIFTDSKPEIELGLQSGQFWRKFEV YEGDKKLPIKLVSYDTPVKDYAYIRFSVSNGTAKVKIVSSTHFNKKEKYDYTLM EFAQPIYNSADKFKT
Research Area	Microbiology
Source	E.coli
Target Names	isdB
Protein Names	Recommended name: Iron-regulated surface determinant protein B Alternative name(s): Fur-regulated protein B Staphylococcal iron-regulated protein H Staphylococcus aureus surface protein J
Expression Region	41-269aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	41.6kDa

