

Iron-regulated surface determinant protein B (isdB), partial Recombinant Protein | isdB recombinant protein

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

CATALOG # AAA115573	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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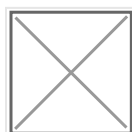
PRODUCT SYNONYMS

Iron-regulated surface determinant protein B (isdB); partial; Recombinant Staphylococcus aureus Iron-regulated surface determinant protein B (isdB); Iron-regulated surface determinant protein B; Fur-regulated protein B; Staphylococcal iron-regulated protein H; Staphylococcus aureus surface protein J; isdB recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	41-269aa; Partial
Sequence	AAEETGGTNT EAQPKTEAVA SPTTTSEKAP ETKPVANAVS VSNKEVEAPT SETKEAKEVK EVKAPKETKE VKPAAKATNN TYPILNQELR EAIKNPAIKD KDHSAPNSRP IDFEMKKKDG TQQFYHYASS VKPARVIFTD SKPEIELGLQ SGQFWRKFEV YEGDKKLPK LVSYDVKDY AYIRFSVSNG TKAVKIVSST HFNNKEEKYD YTLMEFAQPI YNSADKFKT
Species	Staphylococcus aureus (strain USA300 / TCH1516)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for isdB recombinant protein	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).
Product Categories/Family for isdB recombinant protein	Microbiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	189044775
UniProt Accession #	P0C7J5

Molecular Weight	41.6 kDa
NCBI Official Full Name	Iron-regulated surface determinant protein B
UniProt Protein Name	Iron-regulated surface determinant protein B
UniProt Gene Name	isdB
UniProt Synonym Gene Names	frpB; sasJ; sirH
UniProt Entry Name	ISDB_STAAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/isdb-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/115573>