

Product: Staphylokinase (SAK), recombinant
Catalog #: 12-4314
Amount: 20 µg

DESCRIPTION: Recombinant Staphylokinase (rSAK)
rSAK is a non-glycosylated polypeptide chain containing 136 amino acids and having a molecular weight of 15.5kd. The sequence of the first five N-terminal amino acids was determined and was found to be Ser-Ser-Ser-Phe-Asp.

SOURCE: *Escherichia coli* expression system

PURITY: > 97%, as determined by:
(a) Analysis by RP-HPLC and anion-exchange FPLC
(b) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of rSAK

DIMERS & AGGREGATES: Less than 1% as determined by silver stained SDS-PAGE gel analysis

UNIT DEFINITION: One unit is defined as 1 µmol of NAD⁺ production per minute under the assay conditions (25°C, pH 7.5).

FORM: Purified, in 20mM phosphate buffer pH-7

STORAGE: -20°C (aliquot), avoid freezing and thawing cycles

BIOLOGICAL ACTIVITY: rSAK is fully biologically active when compared to standard. The biological activity measured by the ability of fibrin lysis in agarose plate was found to be 4600IU/mg.

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