

Staphylococcal Protein-A Active Protein | SPA active protein

Recombinant Staphylococcal Protein-A

CATALOG #
AAA38452

HOST
E Coli

PRODUCT SYNONYMS

Staphylococcal Protein-A; Recombinant Staphylococcal Protein-A; Immunoglobulin G-binding protein A; IgG-binding protein A; Staphylococcal protein A; SPA.; SPA active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by RP-HPLC.
Form/Format	Sterile Filtered clear colorless solution. The protein solution (52mg/mL) contains no additives.
Sequence Length	508
Activity	Greater than 95.0% binding activity to human IgG.
Preparation and Storage	SPA should be stored at -20°C.

ADDITIONAL INFORMATION

Related Product Information for SPA active protein	Description: Recombinant Staphylococcal Protein A produced in E Coli is a non-glycosylated, Polypeptide chain having a molecular mass of 45 kDa. Recombinant Staphylococcal Protein A is purified by proprietary chromatographic techniques. Introduction: Protein A is a cell wall protein deriving from Staphylococcus aureus which exhibits unique binding properties for IgG from a variety of mammalian species and for some IgM and IgA as well. It binds with the Fc region of immunoglobulins through interaction with the heavy chain. It couples to a wide variety of reporter molecules including fluorescent dyes, enzyme markers, biotin, colloidal gold and radioactive iodine without affecting the antibody binding site. Recombinant Protein A was developed to increase the specificity of the molecule for IgG and is widely used both in research and bioprocessing. The recombinant protein A is produced by expressing a modified protein A gene in E.coli. A specific purification process with strict quality control was taken to get the recombinant protein A with the purity of more than 98%, no human IgG affinity step is used during validated fermentation and purification and devoid of bacterial contaminant found normally in native Protein A. (Free of Staphylococcus endotoxins and hemolysin).
Product Categories/Family for SPA active protein	Recombinant & Natural Proteins ; Recombinant Proteins ; Protein-A ; A/G & G

NCBI AND UNIPROT INFORMATION

NCBI GI #	586027
UniProt Accession #	P38507
Molecular Weight	47.1kDa
NCBI Official Full Name	Immunoglobulin G-binding protein A
UniProt Protein Name	Immunoglobulin G-binding protein A
UniProt Gene Name	spa

UniProt Synonym Gene Names	IgG-binding protein A
UniProt Entry Name	SPA_STAAU

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/e-coli-spa-active-protein/staphylococcal-protein-a/38452>