

opa gene recombinant protein

opa gene recombinant

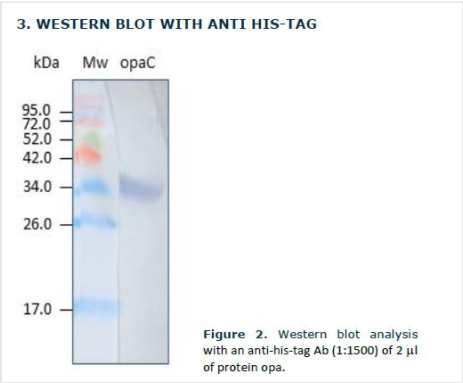
CATALOG # AAA72853	HOST E Coli	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

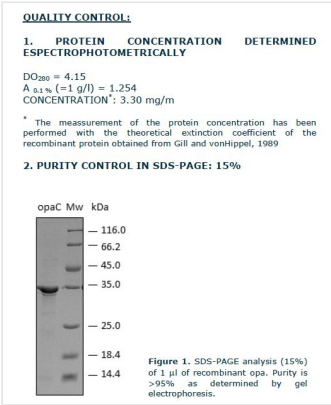
opa gene; opa gene recombinant; RECOMBINANT ANTIGEN opa from Neisseria meningitidis serogroup C; opacity-associated adhesin proteins; opa gene recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	0.98
Form/Format	Dry powder (lyophilized)
Concentration	3.30 mg/ml (varies by lot)
Sequence Length	256
Applicable Applications for opa gene recombinant protein	WB (Western Blot)
Recombinant Antigen	Neisseria meningitidis serogroup C opacity protein and related surface antigen (Virji et al., 1993).
Organism	Neisseria meningitidis serotype C
Tag	HIS
Molecular Weight Information	Determined by SDS-PAGE, the protein band runs between molecular markers of 25,000 and 35,000 Da, while relative molecular mass calculated from amino acid sequence is 32,272.5 Da.
Observation Notes	Proteins should be maintained frozen at high concentrations. The dilution to be performed for ELISA assays should be made with a small quantity of protein, the same day of the experiment. In order to defrost the protein, maintain the aliquot at 25 degree C without shaking to avoid aggregation. Prior making test dilutions and after defrost the protein, is recommended to remove possible protein aggregates by centrifuging the stock solution, avoiding alterations in the immobilization of the biomolecule to the solid surface.
Buffer	20 mM phosphate buffer pH 8, 10 mM NaCl, 0.1% polyoxyethylene (10) tridecyl ether, 250 mM Imidazol, 8 M urea
Batch Composition	Recombinant antigen with a his-tag in its N-terminus
Storage Buffer	20 mM phosphate buffer pH 8, 10 mM NaCl, 0.1% polyoxyethylene (10) tridecyl ether, 250 mM Imidazol, 8 M urea
Reconstitution	For lyophilized proteins: with 0.04 ml of sterile double-distilled water (lot specific) for a final concentration of 1.59 mg/ml (lot specific). The protein will be at pH 8.
Preparation and Storage	Lyophilized protein is shipped with on ice packs. Upon arrival, it should be stored at 20 degree C to -80 degree C. Aliquot after reconstitution in order to avoid repeated freezing and thawing cycles and store at 20 degree C to -80 degree C.



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for opa gene recombinant protein	the Neisseria meningitidis serogroup C gene for the opacity protein has been expressed as a recombinant antigen fused to a his-tag in its N-terminus. It contains aa 30 to 251 of the complete 256 aa-protein.
Product Categories/Family for opa gene recombinant protein	BACTERIA
References	Virji, M., K. Makepeace, D. J. Ferguson, M. Achtman, and E. R. Moxon. Meningococcal Opa and Opc proteins: their role in colonization and invasion of human epithelial and endothelial cells. 1993, Mol. Microbiol. 10:499- 510. Gill SC, von Hippel PH. Calculation of protein extinction coefficients from amino acid sequence data. Anal Biochem. 1989 Nov 1;182(2):319-26.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1841506
NCBI Official Full Name	opacity outermembrane protein

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.