

Flagellar filament 41 kDa core protein Recombinant Protein | fla recombinant protein

Recombinant Borrelia burgdorferi (strain 35210 / B31 / CIP 102532 / DSM 4680) Flagellar filament 41 kDa core protein

CATALOG # AAA114794	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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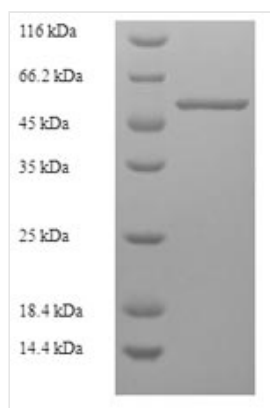
PRODUCT SYNONYMS

Flagellar filament 41 kDa core protein; Recombinant Borrelia burgdorferi (strain 35210 / B31 / CIP 102532 / DSM 4680) Flagellar filament 41 kDa core protein; 41 kDa antigen; P41; fla 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	1-336aa; Full Length
Sequence	MIINHNTSAI NASRNNGINA ANLSKTQEKL SSGYRINRAS DDAAGMGVSG KINAQIRGLS QASRNTSKAI NFIQTTEGNL NEVEKVLVRM KELAVQSGNG TYSDADRGSI QIEIEQLTDE INRIADQAQY NQMHMLSNKS ASQNVRTAEE LGMQPAKINT PASLSGSQAS WTLRVHVGAN QDEAIAVNIY AANVANLFSG EGAQTAQAAP VQEGVQQEGA QQPAPATAPS QGGVNSPVNV TTTVDANTSL AKIENAIRMI SDQRANLGAF QNRLESIKDS TEYAIENLKA SYAQIKDATM TDEVVAATTN SILTQSAMAM IAQANQVPQY VLSLLR
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for fla recombinant protein	Component of the core of the flagella.
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References	Nucleotide sequence of a gene encoding the <i>Borrelia burgdorferi</i> flagellin. Gassmann G.S., Kramer M.D., Goebel U.B., Wallich R. <i>Nucleic Acids Res.</i> 17:3590-3590(1989) Analysis of the <i>Borrelia burgdorferi</i> GeHo fla gene and antigenic characterization of its gene product. Gassmann G.S., Jacobs E., Deutzmann R., Goebel U.B.J. <i>Bacteriol.</i> 173:1452-1459(1991) The <i>Borrelia burgdorferi</i> flagellum-associated 41-kilodalton antigen (flagellin) molecular cloning, expression, and amplification of the gene. Wallich R., Moter S.E., Simon M.M., Ebnet K., Heiberger A., Kramer M.D. <i>Infect. Immun.</i> 58:1711-1719(1990) Immunoreactive epitopes on an expressed recombinant flagellar protein of <i>Borrelia burgdorferi</i>. Collins C., Peltz G. <i>Infect. Immun.</i> 59:514-520(1991) <i>Borrelia burgdorferi</i> is clonal implications for taxonomy and vaccine development. Dykhuizen D.E., Polin D.S., Dunn J.J., Wilske B., Preac-Mursic V., Dattwyler R.J., Luft B.J. <i>Proc. Natl. Acad. Sci. U.S.A.</i> 90:10163-10167(1993) Genomic sequence of a Lyme disease spirochaete, <i>Borrelia burgdorferi</i>. Fraser C.M., Casjens S., Huang W.M., Sutton G.G., Clayton R.A., Lathigra R., White O., Ketchum K.A., Dodson R.J., Hickey E.K., Gwinn M.L., Dougherty B.A., Tomb J.-F., Fleischmann R.D., Richardson D.L., Peterson J.D., Kerlavage A.R., Quackenbush J., Salzberg S.L., Hanson M., van Vugt R., Palmer N., Adams M.D., Gocayne J.D., Weidman J.F., Utterback T.R., Wathley L., McDonald L.A., Artiach P., Bowman C., Garland S.A., Fujii C., Cotton M.D., Horst K., Roberts K.M., Hatch B., Smith H.O., Venter J.C. <i>Nature</i> 390:580-586(1997) Polymerase chain reaction primers and probes derived from flagellin gene sequences for specific detection of the agents of Lyme disease and North American relapsing fever. Picken R.N.J. <i>Clin. Microbiol.</i> 30:99-114(1992) Assous M.V., Postic D.D.P., Paul G.G.P., Nevot P.P.N., Baranton G.G.B. Curtin S.M., Maggs A.D.F., Carter P.E., Pennington T.H. Biochemical and immunological characterization of the surface proteins of <i>Borrelia burgdorferi</i>. Luft B.J., Jiang W., Munoz P., Dattwyler R.J., Gorevic P.D. <i>Infect. Immun.</i> 57:3637-3645(1989) Identification and characterization of an endoflagellar antigen of <i>Borrelia burgdorferi</i>. Coleman J.L., Benach J.L. <i>J. Clin. Invest.</i> 84:322-330(1989)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15594492
NCBI GeneID	1194982
NCBI Accession #	NP_212281.1
NCBI GenBank Nucleotide #	NC_001318.1
UniProt Accession #	P11089; O31322; P15295; Q44938
Molecular Weight	51.8 kDa
NCBI Official Full Name	flagellin
NCBI Official Symbol	BB_0147
NCBI Protein Information	flagellin
UniProt Protein Name	Flagellar filament 41 kDa core protein
UniProt Gene Name	fla
UniProt Synonym Gene Names	Flagellin
UniProt Entry Name	FLA1_BORBU

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.