



Recombinant *Borrelia burgdorferi* Flagellum-specific ATP synthase (flil)

Product Code	CSB-BP346003BUD
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P52607
Product Type	Recombinant Protein
Immunogen Species	<i>Borrelia burgdorferi</i> (strain ATCC 35210 / B31 / CIP 102532 / DSM 4680)
Purity	>85% (SDS-PAGE)
Sequence	MSNFFENYLR QVDDIETVSF VGRVQKIKGL LVESLGPQCA IGDLCCLIDQR NGKKVCAEVL GFNGPYVSLM AYEGFSGIEV GNKVYSLNKG LEINLSDELL GRVIDSLGRP IDNKGSFLNN SYKELIFEKI NPINRSIFED QILTGVKVLD GFLPVAKGQR VGIFSGSGVG KSTLLGMIK NSNADVNVA FIGERGRELN EFIEHELGE ERLKKSVLVVS TDESPISTRY KGAYVATMIA EYFREQKQDV ALLFDSITRF ANAKREMSLS LGPEPPVAKGY PPSVFVEIPI LLERSGFNGN GGSVTGFYTV LVEGDDFTEP VADNIKAVLD GHILDRDLF DRGIYPSINV LSSTRSIHR IMSLEKQKLI MKARNLLSIY KDYEDLIRTG IYLKGSNKDV DFAISKYPKI INFISQGINE TDFENLEDE IKEILS
Source	Baculovirus
Target Names	flil
Protein Names	Recommended name: Flagellum-specific ATP synthase EC= 3.6.3.14
Expression Region	1-436
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.