

Product datasheet for **TP790181**

LbCpf1 Lachnospiraceae bacterium ND2006 Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Lachnospiraceae bacterium ND2006 LbCpf1 containing Simian virus 40 (SV40) T antigen nuclear localization sequence (NLS) on the N- and C-terminal of the protein, with N-terminal HIS tag, expressed in E.coli, sterile-filtered, suitable for cell culture
Species:	Lachnospiraceae bacterium ND2006
Expression Host:	E. coli



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Expression cDNA Clone or AA Sequence:

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1 MHHHHHHENL YFQGAIAPKK KRKVEDPKKK RKVDMSKLEK FTNCYLSLST
51 LRFKAIPVGK TQENIDNKRL LVEDEKRAED YKGVKLLDR YYLSFINDVL
101 HSIKLNKLN YISLFRKKTR TEKENKELEN LEINLRKEIA KAFKGNEGYK
151 SLFKKDIET ILPEFLDDKD EIALVNSFNG FTTAFTGFFD NRENMFSEEA
201 KSTSIARFCI NENLTRYISN MDIFEKVDI FDKHEVQEIK EKILNSDYDV
251 EDFFEGEFTN FVLTQEGIDV YNAIIGGFVT ESKEKIKGLN EYINLYNQKT
301 KQKLPKFKPL YKQVLSRES LSFYGEGYTS DEEVLEVFRN TLNKNSEIFS
351 SIKKLEKLFK NFDEYSSAGI FVKNNGPAIST ISKDIFGEWN VIRDKWNAEY
401 DDIHLKKKAV VTEKYEDDRR KSFKKIGSFS LEQLQEYADA DLSVWEKLE
451 IIIQKVDEIY KVYGSSEKLF DADFVLEKSL KKNDAVVAIM KDLLDSVKSF
501 ENYKAFKFFG GKETNRDES F YGDFVLAYDI LLKVDHIYDA IRNYVTQKPY
551 SKDKFKLYFQ NPQFMGGWDK DKETDYRATI LRYGSKYYLA IMDKKYAKCL
601 QKIDKDDVNG NYEKINYKLL PGPKNMLPKV FFSKWMAYY NPSEDIQKIY
651 KNGTFKKGDM FNLNDCHKLI DFFKDSISRY PKWSNAYDFN FSETEKYKDI
701 AGFYREVEEQ GYKVSFESAS KKEVDKLVVE GKLYMFQIYN KDFSDKSHGT
751 PNLHTMYFKL LFDENNHGQI RLSGGAELFM RRASLKEEL VVHPANSPIA
801 NKNPDNPCKT TSLSYDVYKD KRFSEDQYEL HIPIAINKCP KNIFKINTEV
851 RVLLKHDDNP YVIGIDRGER NLLYIVVDG KGNIVEQYSL NEIINNENGI
901 RIKTDYHSL DKKEKERFEA RQNWTSIENI KELKAGYISQ VWHKICELVE
951 KYDAVIALED LNSGFKNSRV KVEKQVYQKF EKMLIDKLN MVDKKSNPCA
1001 TGGALKGYQI TNKFESFKSM STQNGFIFY PAWLTSKIDP STGFVNLLKT
1051 KYTSIADSKK FISSFDRIMY VPEEDLFEFA LDYKNFSRTD ADYIKKWKLY
1101 SYGNRIRIFR NPKKNNVFDW EEVCLTSAYK ELFNKYGINY QQGDIRALLC
1151 EQSDKAFYSS FMALMSLMLQ MRNSITGRD VDFLISPVKN SDGIFYDSRN
1201 YEAQENAILP KNADANGAYN IARKVLWAIG QFKKAEDEKL DKVKIAISNK
1251 EWLEYAQTSV KHPKKKRKVE DPKKKRKVDT R

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Tag: N-His

Predicted MW: 149.8 kDa

Concentration: 5uM

Purity: > 90% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 10 mM Tris-HCl, pH 7.4, 300 mM NaCl, 0.1 mM EDTA, 1 mM DTT, 50% glycerol

Endotoxin: < 0.5 EU per 1 µg of the protein by the LAL

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -20°C after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Product images:

Purified recombinant protein LbCpf1 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.