

Active Recombinant Full Length Streptococcus pyogenes cas9 Protein, N-His-tagged

Cat. No. cas9-23HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Streptococcus pyogenes cas9 Protein, fused to His-tag at N-terminus, was expressed in E. coli.
Species	Streptococcus pyogenes
Source	E.coli
Description	type II CRISPR RNA-guided endonuclease Cas9
Form	Supplied from sterile 10mM Tris, 300mM NaCl, 0.1mM EDTA, 1mM DTT, pH7.4, 50% glycerol.
Bio-activity	In vitro digestion of a DNA fragment with the recombinant S.pyrogene Cas9 nuclease. The input DNA is XmnI-linearized vector was cleaved by with a synthetic sgRNA.
Molecular Mass	165.0 kDa
AA Sequence	MHHHHHHENL YFQGAIPKKK RKVEDPKKKR KVDIAMDKKY SIGLDIGTNS VGWAVITDEY KVPSKKFKVL GNTDRHSIKK NLIGALLFDS GETAEATRLK RTARRRYTRR KNRICYLQEI FSNEMAKVDD SFFHRLEESF LVEEDKKHER HPIFGNIVDE VAYHEKYPTI YHLRKKLVDS TDKADLR LIY LALAHMIKFR GHFLIEGDLN PDNSDVDKLF IQLVQTYNQL FEENPINASG VDAKAILSAR LSKSRLENL IAQLPGEKKN GLFGNLIALS LGLTPNFKSN FDLAEDAKLQ LSKDTYDDDL DNLLAQIGDQ YADFLAAKN LSDAILLSDI LRVNTEITKA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PLSASMIKRY DEHHQDLTLL KALVRQQLPE KYKEIFFDQS KNGYAGYIDG
 GASQEEFYKF IKPILEKMDG TEELLVKLNR EDLLRKQRTF DNGSIPHQIH
 LGELHAILRR QEDFYPPFLKD NREKIEKILT FRIPYYVGPL ARGNSRFAWM
 TRKSEETITP WNFEEVVDKG ASAQSFIERM TNFDKNLPNE KVLPHKSHLLY
 EYFTVYNELT KVKYVTEGMR KPAFLSGEQK KAIVDLLFKT NRKVTVKQLK
 EDYFKKIECF DSVEISGVED RFNASLGTYH DLLKIIKDGD FLDNEENEDI
 LEDIVLTTL FEDREMIEER LKTYAHLFDD KVMKQLKRRR YTGWGRLSRK
 LINGIRDKQS GKTILDFLKS DGFANRNFQM LIHDDSLTFK EDIQAQVSG
 QGDSLHEHIA NLAGSPAICK GILQTVKVVD ELVKVMGRHK PENIVIEMAR
 ENQTTQKGQK NSRERMKRIE EGIKELGSQI LKEHPVENTQ LQNEKLYLY
 LQNGRDMYVD QELDINRLSD YDVDHIVPQS FLKDDSIDNK VLTRSDKNRG
 KSDNVPSEEV VKKMKNYWRQ LLNAKLITQR KFDNLTKAER GGLSELDKAG
 FIKRQLVETR QITKHVAQIL DSRMNTKYDE NDKLIREVKV ITLKSCLVSD
 FRKDFQFYKV REINNYHHAH DAYLNAVVG T ALIKKYPKLE SEFVYGDYKV
 YDVRKMIAS EQEIGKATAK YFFYSNIMNF 1081 FKTEITLANG EIRKRPLIET
 NGETGEIVWD KGRDFATVRK VLSMPQVNIV KKTEVQTGGF SKESILPKRN
 SDKLIARKKD WDPKKYGGFD SPTVAYSVLV VAKVEKGKSK KLKSVKELLG
 ITIMERSSEF KNPIDFLEAK GYKEVKKDLI IKLPKYSLE LENGKRMLA
 SAGELQKGNE LALPSKYVNF LYLASHYEKL KGSPEDNEQK QLFVEQHKHY
 LDEIIEQISE FSKRVILADA NLDKVL SAYN KHRDKPIREQ AENIIHLFTL
 TNLGAPAAFK YFDTTIDRKR YTSTKEVLDA TLIHQSTGL YETRIDLSQL
 GGDPKKKRKV EDPKKKRKVD TR

Endotoxin

< 0.5 EU per 1 g of the protein by the LAL.

Purity

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

Stability

Stable for at least 1 year from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at -80 centigrade.
Concentration	10 uM
Full Length	Full L.

GENE INFORMATION

Gene Name	cas9 type II CRISPR RNA-guided endonuclease Cas9 [<i>Streptococcus pyogenes</i>]
Official Symbol	cas9
Gene ID	69900935
Protein Refseq	WP_038431314.1
UniProt ID	Q99ZW2



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

