

Product datasheet for **TP790151**

CAS9-D10A Streptococcus Pyogenes Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of mutant(D10A) of <i>S. pyogenes</i> Cas9 endonuclease (Cas9) containing Simian virus 40 (SV40) T antigen nuclear localization sequence (NLS) on the N- and C- termini of the protein., with N-terminal HIS tag, expressed in <i>E. coli</i>
Species:	<i>Streptococcus Pyogenes</i>
Expression Host:	<i>E. coli</i>
Expression cDNA Clone or AA Sequence:	MHHHHHHENL YFQGAIPKKK RKVEDPKKKR KVDIAMDKKY SIGLAIGTNS VGWAVITDEY KVPSKFKVL GNTDRHSIKK NLIGALLFDS GETAEATRLK RTARRRYTRR KNRCYLQEI FSNEMAKVDD SFFHRLEESF LVEEDKKHER HPIFGNIVDE VAYHEKYPTI YHLRKKLVDS TDKADLRLIY LALAHMIKFR GHFLIEGDLN PDNSDVKLF IQLVQTYNQL FEENPINASG VDAKAILSAR LSKSRRENL IAQLPGEKKN GLFGNLIAS LGLTPNFKSN FDAEDAQLQ LSKDITYDDDL DNLLAQIGDQ YADLFLAAKN LSDAILLSDI LRVNTEITKA PLSASMIKRY DEHHQDLTLL KALVRQQLPE KYKEIFFDQS KNGYAGYIDG GASQEEFYKF IKPILEKMDG TEELLVCLNR EDLLRKQRTF DNGSIPHQIH LGELHAILRR QEDFYFPLKD NREKIEKILT FRIPYYVGPL ARGNSRFAMW TRKSEETITP WNFEEVVDKG ASAQSFIERM TNFDKNLPNE KVLPKHSLLY EYFTVYNELT KVKYVTEGMR KPAFLSGEQK KAIVDLLFKT NRKVTVKQLK EDYFKKIECF DSVEISGVED RFNASLGTYH DLLKIIKDKD FLDNEENEDI LEDIVLTLTL FEDREMIEER LKTYAHLFDD KVMKQLKRRR YTGWGRLSRK LINGIRDKQS GKTILDFLKS DGFANRNFQM LIHDDSLTFK EDIQAQVSG QGDSLHEHIA NLAGSPAICK GILQTVKVV ELVKVMGRHK PENIVIMAR ENQTTQKGQK NSRERMKRIE EGIKELGSQI LKEHPVENTQ LQNEKLYLYY LQNGRDMYVD QELDINRLSD YDVDHIVPQS FLKDDSIDNK VLTRSDKNRG KSDNVPSEEV VKKMKNYWRQ LLNAKLITQR KFDNLTKAER GGLSELDKAG FIKRQLVETR QITKHVAQIL DSRMNTKYDE NDKLIREVKV ITLKSKLVSD FRKDFQFYKV REINNYHHAH DAYLNAVVG T ALIKKYPKLE SEFVYGDYKV YDVRKMIAS EQEIGKATAK YFFYSNIMNF FKTEITLANG EIRKRPLIET NGETGEIVWD KGRDFATVRK VLSMPQVNIV KKTEVQTGGF SKESILPKRN SDKLIARKKD WDPKKGFFD SPTVAYSVLV VAKVEKGKSK KLKSVKELLG ITIMERSSEF KNPIDFLEAK GYKEVKKDLI IKLPKYSLFE LENGKRMLA SAGELQKGNE LALPSKYVNF LYLASHYEKL KGSPEDNEQK QLFVEQHKHY LDEIIEQISE FSKRVILADA NLDKVL SAYN KHRDKPIREQ AENIIHLFTL TNLGAPAAFK YFDTTIDRKR YTSTKEVLDA TLIHQSTIGL YETRIDLSQL GGDPKKKRKV EDPKKKRKVD TR
Tag:	N-His
Predicted MW:	165.0 kDa
Concentration:	>0.05 µg/µL as determined by Bradford protein assay, 10 µM is equal to 1.61 mg/ml.



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Purity:	> 95% 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.
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: