

Product datasheet for **TP790184**

Dead Cas9 Streptococcus Pyogenes Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of mutant(D10A/H840A) of <i>S. pyogenes</i> Cas9 endonuclease (Cas9) 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 <i>E. coli</i>
Species:	<i>Streptococcus Pyogenes</i>
Expression Host:	<i>E. coli</i>



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Expression cDNA Clone or AA Sequence: MHHHHHHENL YFQGAIAPKK KRKVEDPKKK RKVDMDKKYS IGLAIGTNSV
 GWAVITDEYK VPSKKFKVLG NDRHSIKKN LIGALLFDSG ETAEATRLKR
 TARRRYTRRK NRICYLQEIF SNEMAKVDDS FFHRLEESFL VEEDKKHERH
 PIFGNIVDEV AYHEKYPTIY HLRKKLVDST DKADLRLIYL ALAHMIKFRG
 HFLIEGDLNP DNSDVKLFI QLVQTYNQLF EENPINASGV DAKAILSARL
 SKSRRLNLI AQLPGEKKNG LFGNLIASL GLTPNFKSNF DLAEDAKLQL
 SKDTYDDDLN NLLAQIGDQY ADLFLAAKNL SDAILLSDIL RVNTEITKAP
 LSASMIKRYD EHHQDLTLLK ALVRQQLPEK YKEIFFDQSK NGYAGYIDGG
 ASQEEFYKFI KPILEKMDGT EELLVKNLRE DLLRKQRTFD NGSIPHQIHL
 GELHAILRRQ EDFYPFLKDN REKIEKILTF RIPYYVGPLA RGNSRFAWMT
 RKSEETITPW NFEEVVDKGA SAQSFIERMT NFDKNLPNEK VLPKHSLLYE
 YFTVYNELTK VKYVTEGMRK PAFLSSEQKK AIVDLLFTN RKVTVKQLKE
 DYFKKIECFD SVEISGVEDR FNASLGTYHD LLKIIKDKDF LDNEENEDIL
 EDIVLTLTLF EDREMIEERL KTYAHLFDDK VMKQLKRRRY TGWGRLSRKL
 INGIRDKQSG KTILDFLKSD GFANRNFMQL IHDDSLTFKE DIQKAQVSGQ
 GDSLHEHIAN LAGSPAIKKG ILQTVKVVDE LVKVMGRHKP ENIVIEMARE
 NQTTQKGQKN SRERMKRIEE GIKELGSQIL KEHPVENTQL QNEKLYLYL
 QNGRDMYVDQ ELDINRLSDY DVDAIVPQSF LKDDSIDNKV LTRSDKNRKG
 SDNVPSEEVV KKMKNYWRQL LNAKLITQRK FDNLTKAERG GLSELDKAGF
 IKRQLVETRO ITKHVAQILD SRMNTKYDEN DKLIREVKVI TLKSKLVDSF
 RKDFQFYKVR EINNYHHAHD AYLNAVVGTA LIKKYPKLES EFVYGDYKVV
 DVRKMIKSE QEIGKATAKY FFYSNIMNFF KTEITLANGE IRKRPLIETN
 GETGEIVWDK GRDFATVRKV LSMPQVNIVK KTEVQTGGFS KESILPKRNS
 DKLIARKDW DPKKYGGFDS PTVAYSVLV AKVEKGKSKK LKSVKELLGI
 TIMERSSEFEK NPIDFLEAKG YKEVKKDLII KLPKYSLFEL ENGRKRMLAS
 AGELQKGNEL ALPSKYVNFL YLASHYEKLK GSPEDNEQKQ LFVEQHKKHYL
 DEIIEQISEF SKRVILADAN LDKVLSAYNK HRDKPIREQA ENIIHLFTLT
 NLGAPAAFKY FDTTIDRKRY TSTKEVLDT LIHQSITGLY ETRIDLSQLG
 GDPKKKRRKVE DPKKKRRKVDV T R

Tag: N-His

Predicted MW: 164.5 kDa

Concentration: 20uM

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

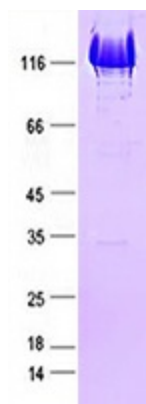
Buffer: 10 mM Tris-HCl, pH 7.4, 300 mM NaCl, 0.1 mM EDTA, 1 mM DTT, 50% glycerol

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.

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 Dead Cas9 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.