

Product datasheet for **TP790152**

CAS9-H840A Streptococcus Pyogenes Recombinant Protein

Product data:

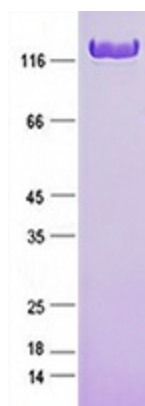
Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of mutant(H840A) of <i>S. pyogenes</i> Cas9 endonuclease (Cas9) containing Simian virus 40 (SV40) T antigen nuclear localization sequence (NLS) on the N- and C- termini of the protein, with N-terminal HIS tag, expressed in <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 SIGLDIGTNS VGWAVITDEY KVPSKFKVL GNTDRHSIKK NLIGALLFDS GETAEATRLK RTARRRYTRR KNRICYLQEI FSNEMAKVDD SFFHRLEESF LVEEDKKHER HPIFGNIVDE VAYHEKYPTI YHLRKKLVDS TDKADLRLIY LALAHMIKFR GHFLIEGDLN PDNSDVDKLF IQLVQTYNQL FEENPINASG VDAKAILSAR LSKSRLENL IAQLPGEKKN GLFGNLIALS LGLTPNFKSN FDLAEDAKLQ LSKDTYDDDL DNLLAQIGDQ YADFLAAKN LSDAILLSDI LRVNTEITKA PLSASMIKRY DEHHQDLTLL KALVRQQLPE KYKEIFFDQS KNGYAGYIDG GASQEEFYKF IKPILEKMDG TEELLVKLNR EDLLRKQRTF DNGSIPHQIH LGELHAILRR QEDFYFPLKD NREKIEKILT FRIPYYVGPL ARGNSRFAWM TRKSEETIP WNFEEVVDKG ASAQSFIERM TNFDKNLPNE KVLPKHSLLY EYFTVYNELT KVYVTEGMR KPAFLSGEQK KAIVDLLFKT NRKVTVKQLK EDYFKKIECF DSVEISGVED RFNASLGTYH DLLKIIKDKD FLDNEENEDI LEDIVLTLTL FEDREMIEER LKTYAHLFDD KVMKQLKRRR YTGWGRLSRK LINGIRDKQS GKTILDFLKS DGFANRFMQ LIHDDSLTFK EDIQAQVSG QGDSLHEHIA NLAGSPAICK GILQTVKVVD ELVKVMGRHK PENIVEMAR ENQTTQKGQK NSRERMKRIE EGIKELGSQI LKEHPVENTQ LQNEKLYLYY LQNGRDMYVD QELDINRLSD YDVDAIVPQS FLKDDSIDNK VLTRSDKNRG KSDNVPSEEV VKMKKNYWRQ LLNAKLITQR KFDNLTKAER GGLSELDKAG FIKRQLVETR QITKHVAQIL DSRMNTKYDE NDKLIREVKV ITLKSKLVSD FRKDFQFYKV REINNYHHAH DAYLNAVVGTT ALIKKYPKLE SEFVYGDYKV YDVRKMIAKS EQEIGKATAK YFFYSNIMNF FKTEITLANG EIRKRPLIET NGETGEIWD KGRDFATVRK VLSMPQVNIV KKTEVQTGGF SKESILPKRN SDKLIARKKD WDPKKGGF SPTVAYSVLV VAKVEKGKSK KLKSVKELLG ITIMERSSFE KNPIDFLEAK GYKEVKKDLI IKLPKYSLE LENGKRMLA SAGELQKGNE LALPSKYVNF LYLASHYEKL KGSPEDNEQK QLFVEQHKHY LDEIIEQISE FSKRVILADA NLDKVL SAYN KHRDKPIREQ AENIIHLFTL TNLGAPAAFK YFDTTIDRKR YTSTKEVLDA TLIHQSITGL YETRIDLSQL GGDPKKKRKV EDPKKKRKVD TR
Tag:	N-His
Predicted MW:	165.0 kDa



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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 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 CAS9-H840A was analyzed by SDS-PAGE gel and Coomassie Blue Staining.