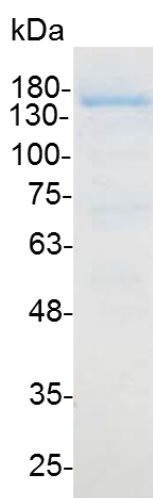


Catalog number	C12003-100UG / C12003-500UG
Package	100 µg / 500 µg
Description	The dCas9-VP64 protein was targeted to specific sites in the genome of human cells using 16 pre-validated sgRNAs designed to bind sequences within three DNase I hyper-sensitive sites (HSSs) located upstream, downstream or at the transcription start site of certain gene.
Source	<i>Escherichia coli</i>
Sequence	<p>MDKKYSIGLAIGTNSVGWAVITDEYKVPSSKFKVLGNTDRHSIKKNLIGALLFDS GETAEATRLKRTARRRYTRRKNRICYLQEIFSNEMAKVDDSFHRLSEESFLVEE DKKHERHPIFGNIVDEVAYHEKYPTIYHLRKKLVDSTDKADLRLIYLALAHMIKFR GHFLIEGDLNPDNSVDKLFQILVQTYNQLFEENPINASGVDAKAILSARLSKSR RLENLIAQLPGEKKNGLFGNLIASLGLTPNFKSNFDLAEDAQLQSKDQYDDDL DNLLAQIGDQYADFLAAKNLSDAILLSDILRVNTEITKAPLSASMIKRYDEHHQD LTLKALVRQQLPEKYKEIFFDQSKNGYAGYIDGGASQEEFYKFIKPILEKMDGT EELLVKNREDLLRKQRTFDNGSIPHQIHLGELHAILRRQEDFYFPLKDNREKIE KILTRIPYYVGPLARGNSRFAMWTRKSEETITPWNFEVVDKGASQAQSIERM TNFDKNLPNEKVLPHSLLEYFTVYNELTKVKYVTEGMRKPAFLSGEQKKAIV DLLFKTNRKVTVKQLKEDYFKKIECFDSVEISGVEDRFNASLGTYHDLKIIKDKD FLDNEENEDILEDIVLTLTLFEDREMIEERLKYAHLFDDKVMKQLKRRRYTGW GRLSRKLINGIRDKQSGKTILDFLKSDFANRNFMLIHDSDLTFKEDIQKAQVS GQGDSLHEHIANLAGSPAIKKILQTVKVVDELVKVMGRHHPENIVIEMARENQ TTQKGQKNSRERMKRIEELGKELGSQLKEHPVENTQLQNEKLYLYLQNGRD MYVDQELDINRLSDYDVAIVPQSFLKDDSIDNKVLTRSDKNRGKSDNVPSEEV VKKMKNYWRQLLNAKLITQRKFDNLTKAERGGSELKAGFIKQRLVETRQITK HVAQILDSRMNTKYDENDKLIREVKVITLKSCLVSDFRKDFQFYKVINNYHHA HDAYLNAVVGTAIIKKYPKLESEFVYGDYKVDVRKMIKSEQEIGKATAKYFFY SNIMNFFKTEITLANGEIRKRPLIETNGETGEIVWDKGRDFATVRKVLSPQVNI VKKTEVQTGGFSKESILPKRNSDKLIARKKDWDPKKGFFSPTVAYSVLVVAK VEKGSKKLKSVKELLGITIMERSSEFKNPIDFLEAKGYKEVKKDLIILPKYSLFE LENGKRMLASAGELQKGNELALPSKYVNFYLYLASHYEKLGKSPEDNEQKQLF VEQHKHYLDEIIEQISEFSKRVLADANLDKVL SAYNKHDKPIREQAENIIHLFTL TNLGAPAAFYFDTTIDRKRYTSTKEVLDATLIHQSTGLYETRIDLSQLGGDGSP KKKRKYSSDYKDHDGDYKDHDIDYKDDDDKAAGGGGSGRADALDDFDLML GSDALDDFDLMLGSDALDDFDLMLGSDALDDFDLML with polyhistidine tag at the C-terminus</p>
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.

Purity	>90% as determined by SDS-PAGE.
Formulation	The protein was lyophilized from a solution containing 1X PBS containing, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Note	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant dCas9-VP64

For research use only.