

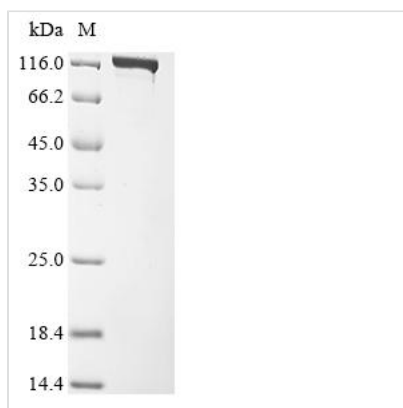


Recombinant Acidaminococcus sp. CRISPR-associated endonuclease Cas12a (cas12a)

Product Code	CSB-EP3654GPA(A4)
Abbreviation	Recombinant Acidaminococcus sp. cas12a protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	U2UMQ6
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Acidaminococcus sp. CRISPR-associated endonuclease Cas12a(cas12a)
Immunogen Species	Acidaminococcus sp. (strain BV3L6)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	<p>MTQFEGFTNLYQVSKTLRFELIPQGKTLKHIQEQGFIEEDKARNNDHYKELKPIID RIYKTYADQCLQLVQLDWENLSAAIDSYRKEKTEETRNLALIEEQATYRNAIHDIY FIGRTDNLTDAINKRHAEIYKGLFKAELFNGKVLKQLGTVTTTEHENALLRSFDK FTTYFSGFYENRKNVFAEDISTAIPHRIVQDNFQFKENCHIFTRLITAVPSLRE HFENVKKAIGIFVSTSIIEEVFSFPFYNQLLTQTQIDLYNQLLGGISREAGTEKIKG LNEVLNLAIQKNDETAHIIASLPHRFIPLFKQILSDRNTLSFILEEFKSDEEVIQSF CKYKTLRLNENVLETAELFNELNLSIDLTHIFISHKKLETISSALCDHWDTLRNLAL YERRISELTGKITKSAKEKVQRSLKHEDINLQEIIISAAGKELSEAFKQKTSEILSH AHAALDQPLPTTLKKQEEKEILKSQLDSSLGLYHLLDWFVAVDESNEVDPEFSAR LTGIKLEMEPSLSFYNKARNYATKKPYSVEKFKLNFMPTLASGWDVNKEKNN GAILFVKNGLYYLGIMPKQKGRYKALSFEPTSEKTSSEKFDKMYDYFDPAAKMIP KCSTQLKAVTAHFQTHHTPILLSNNFIEPLEITKEIYDLNPEKEPKKFQTAYAKK TGDQKGYREALCKWIDFTRDFLSKYTKTTSIDLSSLRPSQYKDLGEYYAELNP LLYHISFQRIAEKEIMDAVETGKLYLFQIYNKDFAKGHHGKPNLHTLYWTGLFSP ENLAKTSIKLNGQAELFYRPKSRMKRMAHRLGEKMLNKKLKDQKTPIDTLYQ ELYDYVNHRLSHDLSDEARALLPNVITKEVSHEIHKDRRFTSDKFFFHVPITLNY QAANSPSKFNQRVNAYLKEHPETPIIGIDRGERNLIYITVIDSTGKILEQRSLNTI QQFDYQKKLDNREKERVAAARQAWSVVGTIKDLKQGYLSQVIHEIVDLMIHYQA VVVLENLNFQKSKRTGIAEKAVYQQFEKMLIDLKLNCLVLKDYPAEKVGGLVNP YQLTDQFTSFAKMGTTQSGFLFYVPAPYTSKIDPLTGFVDPFVWKTIKNHESRK HFLEGFDLHYDVKTGDFILHFKMNRNLSFQRGLPGFMPAWDIVFEKNETQFD AKGTPFIAGKRIVPIENHRFTGRYRDLYPANELIALLEEKGIVFRDGSNILPKLL ENDDSHAIDTMVALIRSVLQMRNSNAATGEDYINSPVRDLNGVCFDSRFQNP WPMADANGAYHIALKGQLLNHLKESKDLKLQNGISNQDWLAYIQELRN</p>



Research Area	Others
Source	E.coli
Target Names	cas12a
Expression Region	1-1307aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	158.6 kDa
Protein Length	Full Length

Image


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.