

Recombinant Acidaminococcus sp. (strain BV3L6) cas12a protein, His&Myc-tagged

Cat. No. cas12a-4632A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Acidaminococcus sp. (strain BV3L6) cas12a protein(U2UMQ6)(1-1307aa), fused with N-terminal His tag and C-terminal Myc tag, was expressed in E.coli.
Species	Acidaminococcus sp. (strain BV3L6)
Source	E.coli
ProteinLength	1-1307a.a.
Tag	His&Myc
Form	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, pH 8.0.
Molecular Mass	158.6 kDa
Purity	Greater than 90% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the

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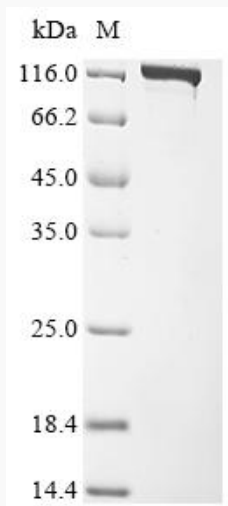
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 45-1 Ramsey Road, Shirley, NY 11967, USA

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.

AA Sequence

MTQFEGFTNLYQVSKTLRFELIPQGKTLKHIQEQQGFIEEDKARNDDHYKELKPIIDRIYK
TYADQCLQLVQLDWENLSAAIDSYRKEKTEETRNLALIEEQATYRNAIHDFIGRTDNL
TDAINKRHAEIYKGLFKAELFNGKVLKQLGTVTTTEHENALLRSFDKFTTYFSGFYEN
RKNVFS AEDISTAIPHRIVQDNFPKFKENCHIFTRLITAVPSLREHFENVKKAIGIFVST
SIEEVFSFPFYNQLLTQTQIDLYNQLLGGISREAGTEKIKGLNEVLNLAIQKNDETAHII
ASLPHRFIPLFKQILSDRNTLSFILEEFKSDEEVIQSFCYKTLNRNENVLETAEALFNE
LNSIDLTHIFISHKKLETISSALCDHWDTLRNALYERRISELTGKITKSAKEKVQRSLKH
EDINLQEIISAAGKELSEAFKQKTSEILSHAHAAALDQPLPTTLKKQEEKEILKSQQLDSSL
GLYHLLDWFAVDESNEVDPEFSARLTGIKLEMEPSLSFYNKARNYATKKPYSVEKFK
LNFQMPTLASGWDVNKEKNNGAILFVNGLYYLGIMPKQKGRYKALSFEPTSE
GFDKMYDYFPDAAKMIPKCSTQLKAVTAHFQTHHTPILLSNNFIEPLEITKEIYDLNN
PEKEPKKFQTAYAKKTGDQKGYREALCKWIDFTRDFLSKYTKTTSIDLSSLRPSSQY
KDLGEYYAELNPLLYHISFQRIAEKEIMDAVETGKLYLFQIYNKDFAKGHHGKPNLHT
LYWTGLFSPENLAKTSIKLNGQAELFYRPKSRMKRMAHRLGEKMLNKKLKDQKTPIP
DTLYQELYDYVNHRLSHDLSDEARALLPNVITKEVSHEIHKDRRFTSDKFFFHVPITLN
YQAANSPSKFNQVRNAYLKEHPETPIIGIDRGERNLIYITVIDSTGKILEQRSLNTIQQF
DYQKKLDNREKERVAAARQAWSVVGTIKDLKQGYLSQVIHEIVDLMIHYQAVVVLENL
NFGFKSKRTGIAEKAVYQQFEKMLIDKLNCLVLKDYPAEKVGGVLNPYQLTDQFTSF
AKMGTQSGFLFYVPAPYTSKIDPLTGFVDPFVWKTIKNHESRKHFLLEGFDLHYDVK
TGDFILHFKMNRNLSFQRGLPGFMPAWDIVFEKNETQFDAKGTPPIAGKRIVPVIEHN
RFTGRYRDLYPANELIALLEEKGIVFRDGSNILPKLLENDSDHAIDTMVALIRSVLQMR
NSNAATGEDYINSPVRDLNGVCFDSRFQNPPEWPMADANGAYHIALKGQQLLNHLK
ESKDLKLQNGISNQDWLAYIQELRN

SDS-PAGE

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