

Recombinant Akkermansia Muciniphila RUVC Protein (1-167 aa), His-Myc-tagged

Cat. No. RUVC-2517A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Akkermansia Muciniphila (strain ATCC BAA-835/Muc) RUVC Protein (1-167 aa) is produced by E. coli expression system. This protein is fused with a 10xHis tag at the N-terminal and a Myc tag at the C-terminal. Research Area: Epigenetics and Nuclear Signaling. Protein Description: Full Length.
Species	Akkermansia Muciniphila
Source	E.coli
ProteinLength	1-167 aa
Description	Nuclease that resolves Holliday junction intermediates in genetic recombination. Cleaves the cruciform structure in supercoiled DNA by nicking to strands with the same polarity at sites symmetrically opposed at the junction in the homologous arms and leaves a 5'-terminal phosphate and a 3'-terminal hydroxyl group.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	23.2 kDa
AA Sequence	MRILAIIDPAIRNTGYAVVEGDYRRARALDYGTLSIPRSVSQSGCLLAIKQHLGNLIDK WNPDEMAVERIIYVQSHQTAITMGAAKAAVVIAAAEAGLRIMEYSPKSVKLSVVGRG AAQKTQVAFMVRALLELRETPESDAADALAIGLTHLFSADPLKAHMMERKYI

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Purity	> 85% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

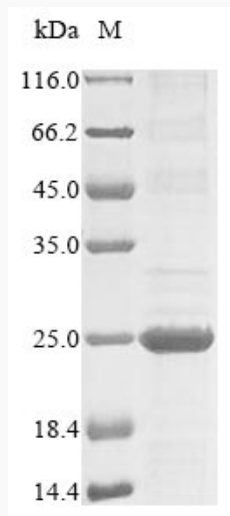
GENE INFORMATION

Gene Name	ruvC crossover junction endodeoxyribonuclease RuvC [Akkermansia muciniphila ATCC BAA-835]
Official Symbol	RUVC
Synonyms	ruvC;
Gene ID	34175933
Protein Refseq	WP_012421048
UniProt ID	B2UP63

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

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