

Recombinant *Leptotrichia wadei* Cas13a, His-tagged

Cat. No. Cas13a-501L **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Leptotrichia wadei</i> CRISPR-associated Endoribonuclease Cas13a (Met1-Glu1152), fused with His-tag at the N-terminus, was expressed in E.coli and purified by immobilized metal ion affinity chromatography (IMAC).
Species	<i>Leptotrichia wadei</i>
Source	E.coli
ProteinLength	1-1152 a.a.
Description	Clustered regularly interspaced short palindromic repeats (CRISPR)-Cas13a, previously known as CRISPR-C2c2, is the most recently identified RNA-guided RNA-targeting CRISPR-Cas system and has the unique characteristics of both targeted and collateral single-stranded RNA (ssRNA) cleavage activities, which was first identified in <i>Leptotrichia shahii</i> CRISPR-Cas13a.
Form	Liquid. Filtered solution in 20mM NaH ₂ PO ₄ (pH 7.4), 0.5M NaCl, 40mM imidazole, 10% glycerol, 2mM DTT.
Molecular Mass	150 kDa
Purity	>85% by SDS-PAGE under reducing conditions and visualized by Coomassie blue staining.
Storage	Upon arrival, the protein may be stored for 2 weeks at 4 centigrade. For long term

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storage, it is recommended to store at -20 centigrade or -80 centigrade in appropriate aliquots. Avoid repeated freeze-thaw cycles.

Concentration	Lot specific (see the label on the vial), determined by Bradford protein assay.
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Warning	This product is furnished for LABORATORY RESEARCH USE ONLY. Not for diagnostic or therapeutic use.
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GENE INFORMATION

Gene Name	Cas13a
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Official Symbol	Cas13a
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Synonyms	CRISPR-associated endoribonuclease
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Protein Refseq	WP_021746003.1
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UniProt ID	U2PWF1
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SDS-PAGE of
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