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Highly stable single-strand-specific 3'-nuclease/nucleotidase from *Legionella pneumophila*

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Running title

3'-nuclease from *L. pneumophila*

Abbreviations

3'-AMP, adenosine 3'-monophosphate; 5'-AMP, adenosine 5'-monophosphate; CD, circular dichroism; DTT, 1,4-dithiotreitol; EDTA, ethylenediaminetetraacetic acid; IEF, isoelectric focusing; LCV, *Legionella*-containing vacuole; Lp, *Legionella pneumophila*; Lpn1, *Legionella pneumophila* nuclease 1; MALDI, matrix-assisted laser desorption/ionization; MALDI-TOF, matrix-assisted laser desorption/ionization – time-of-flight; MWCO, molecular weight cut off; NBS1, nucleoside binding site 1; Ni-NTA, nickel-nitrilotriacetic acid; Zn-NTA, zinc-nitrilotriacetic acid; OPPE, Oxford protein production facility; PBST, phosphate buffered saline with Tween 20; PDB, Protein Data Bank; R-ABN1, recombinant arabis bifunctional nuclease 1; R-HBN1, recombinant hop bifunctional nuclease 1; SEC, size exclusion chromatography; SDS-PAGE, sodium dodecyl sulfate – polyacrylamide gel electrophoresis; T2SS, type II secretion system; TBN1, tomato bifunctional nuclease 1.

Enzymes

Lpn1 – 3'-nuclease/nucleotidase, EC 3.1.30.1

Conflicts of Interest

Declarations of interest: none.

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