

pETHSUL vector

Catalogue number: 156507

Sub-type: pET

Images:

Contributor

Inventor: Dr. Patrick Loll

Institute: Drexel University

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: pETHSUL vector

Alternate name:

Class:

Conjugate:

Description: Protein Purification; Protein Biochemistry

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes: The pETHSUL vector is part of a set of ligation independent cloning SUMO fusion

vectors that allow for recombinant proteins to be produced with any desired sequence at the amino terminus, so long as the initial residue is not proline. This set of vectors generates affinity tagged SUMO fusion target proteins that allow the target protein to be expressed in *E.coli* and purified using subtractive affinity chromatography. The purified SUMO fusion is treated with recombinant SUMO protease (generated by pdtUD1 vector) to yield the mature target protein. The pETHSUL vector yields His6 tagged SUMO fusion proteins. Recombinant SUMO protease cleaves His6 SUMO from the purified target protein to yield the final mature protein. The pETHSUL vector was constructed based on the pET vector architecture. Instructions for vector expression, purification, and use are outlined in: Weeks, S. D., Drinker, M., & Loll, P. J. (2007). Ligation independent cloning vectors for expression of SUMO fusions. Protein expression and purification, 53(1), 40â€“50. doi:10.1016/j.pep.2006.12.006
Related product: pdtUD1 vector

Target details

Target: His6 tagged small ubiquitin related modifier (SUMO) fusion target protein

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:

Application notes: Protein Purification; Protein Biochemistry

Handling

Format:

Concentration:

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions:

Related tools

Related tools:

References

References:

CancerTools.org