

PRODUCT DATA SHEET

SIRT1 (human), (recombinant) (His-tag)

BML-SE239

Highly active

Product Number/Sizes

BML-SE239-0100 100 U

This protein is produced from human cDNA, expressed in *E. coli*. Sequence identical to that at Genbank accession #NM012238

Product Specifications

ALTERNATIVE NAME:	Sirtuin 1
MW:	82 kDa
SOURCE:	Produced in <i>E. coli</i> . Contains a N-terminal His-tag.
UNIPROT ID:	Q96EB6
FORMULATION:	Liquid. In 25 mM TRIS, pH 7.5, 100mM NaCl, 5mM DTT and 10% glycerol.
PURITY DETAIL:	Partially purified by single-step affinity chromatography and gel filtration.
SPECIFIC ACTIVITY:	One unit = 1pmol/min at 37°C, 250µM <i>Fluor de Lys</i> [®] substrate (Prod. No. BML-K1104), 500µM NAD ⁺ .
LONG TERM STORAGE:	-80°C

Product Literature References

Regulation of inositol 1,3,4-trisphosphate 5/6-kinase (ITPK1) by reversible lysine acetylation C. Zhang, et al. Proc. Natl. Acad. Sci U.S.A. **109** 2290 (2012)

Role of deleted in breast cancer 1 (DBC1) protein in SIRT1 deacetylase activation induced by protein kinase A and AMP-activated protein kinase V. Nin, et al. J. Biol. Chem. **287** 23489 (2012)

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GLOBAL HEADQUARTERS

Enzo Life Sciences, Inc.
10 Executive Blvd
Farmingdale, NY 11735
USA
T 1-800-942-0430
T 1-610-941-0430
F 1-610-941-9252
E info-usa@enzolifesciences.com
www.enzolifesciences.com

EUROPE/ASIA

Enzo Life Sciences (ELS) AG
Industriestrasse 17, Postfach
CH-4415 Lausen
Switzerland
T +41/0 61 926 89 89
F +41/0 61 926 89 79
E info-ch@enzolifesciences.com
www.enzolifesciences.com

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