

Sirtuin 2, human recombinant protein
Regulatory protein SIR2 homolog 2, SIR2-like protein 2
Catalog # PBV11216r

Specification

Sirtuin 2, human recombinant protein - Product info

Primary Accession [Q8IXJ6](#)
Calculated MW **43 kDa**

Sirtuin 2, human recombinant protein - Additional Info

Gene ID **22933**
Gene Symbol **SIRT2**
Other Names
NAD-dependent protein deacetylase sirtuin-2, Regulatory protein SIR2 homolog 2, SIR2-like protein 2

Gene Source **Human**
Source **E. coli**
Assay&Purity **SDS-PAGE; ≥90%**
Assay2&Purity2 **HPLC;**
Recombinant **Yes**
Format
Liquid

Storage

-70°C; rh-Sirtuin 2 (SIRT2) with the native N-terminus is supplied as a liquid of 2 mg/ml in 25 mM Tris, pH 7.5, 100 mM NaCl, 2.7 mM KCl, 3 mM MgCl₂, 10 % glycerol.

Sirtuin 2, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Sirtuin 2, human recombinant protein - Images

Sirtuin 2, human recombinant protein - Background

Human sirtuins function as intracellular regulatory proteins. Sirtuin 2 is a member of the class III histone deacetylases (HDACs) and has been implicated in many cellular processes that include histone deacetylation, gene silencing, chromosomal stability, and aging. The enzymatic activity of

class III HDACs is nicotinamide adenine dinucleotide (0.1mM NAD⁺) dependent and insensitive to HDAC inhibitor trichostatin A.

Sirtuin 2, human recombinant protein - References

Frye R.A.,et al.Biochem. Biophys. Res. Commun. 260:273-279(1999).
Afshar G.,et al.Gene 234:161-168(1999).
De Smet C.,et al.J. Neurochem. 81:575-588(2002).
Rack J.G.,et al.J. Mol. Biol. 426:1677-1691(2014).
Lennerz V.,et al.Submitted (AUG-2002) to the EMBL/GenBank/DDBJ databases.