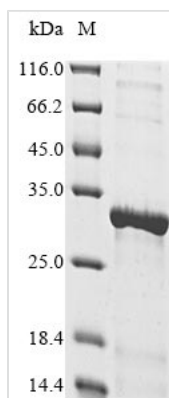




Recombinant Rat NAD-dependent protein deacetylase (Sirt3)

Product Code	CSB-EP848095RA
Abbreviation	Recombinant Rat Sirt3 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	B2RZ31
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MVGAGISTPSGIPDFRSPGSGLYSNLQQYDIPYPEAIFELGFFFHNP KPFFTLAK ELYPGHYRPNVAHYFLRLLHDKELLRLYTQNIDGLERASGIPASKLVEAHGSF VSATCTVCRRSFPGEDIRADVMADRVPRCPVCTGVVKPDIVFFGEQLPARFLL HVADFALADLLLILGTSLEVEPFASLSESVQKSVPRLINRDLVGSFALSPRRKD VVQLGDVVQGVERLVDLLGWTQELQDLIQRENGKLDGQDG
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	Sirt3
Expression Region	1-257aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	35.9 kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The recombinant Rat Sirt3 protein is made by following sequential steps: inserting a DNA fragment encoding the Rat Sirt3 protein (1-257aa) into a plasmid vector, transferring this vector into e.coli cells, selecting the positive cells, culturing positive cells, inducing the protein expression, and collecting the Sirt3 protein. The protein features a N-terminal 10xHis tag and C-terminal Myc tag fusion. The recombinant Sirt3 protein is subjected to affinity purification and SDS-PAGE analysis. Its purity is over 85%.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.