

Recombinant Human KIAA1967, His-tagged

Cat. No. KIAA1967-3705H Lot. No. (See product label)

SPECIFICATION

Product Overview	Total 136AA. MW: 16kDa (calculated). N-Terminal His-tag 9AA (highlighted).
Species	Human
Source	E.coli
Description	KIAA1967, also known as Deleted in Breast Cancer 1, is a protein which in humans is encoded by the KIAA1967 gene. Recent studies show that KIAA1967 is an inhibitor of the sirtuin-type deacetylase, SIRT1, which deacetylates histones and p53. KIAA1967 is likely to regulate the activity of SIRT1 or related deacetylases by sensing the soluble products or substrates of the NAD-dependent deacetylation reaction.
Form	Filtered (0,4µm) and lyophilized in 0.5mg/mL in 0.05M MES buffer pH6.5
Research topic	Energy metabolism and body weight regulation
Purity	>95%
Reconstitution	Add deionized water to prepare a working stock solution of approximately 0.5mg/mL and let the lyophilized pellet dissolve completely. This product typically requires 20min at 37°C for complete reconstitution. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10µg/ml. In higher concentrations the solubility of this antigen is limited. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

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Applications	Western blotting
QualityControl Test	BCA to determine quantity of the protein; SDS PAGE to determine purity of the protein
Sequences of aminoacids	MKHHHHHHHM IKKNLKKLGI EETYLNIKA IYDRPTASIQ KTENLSTKTG TSQEYHLSPL WFYIVLEILA STIRQEKNLK DIHTEKEEVK LSLFADAMIL YLKKPNDSTR KLELEIKKIH SSCRIKINIH FAFCSQ
Storage	Store lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry date when stored at -20°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C.

GENE INFORMATION

Gene Name	KIAA1967 KIAA1967 [Homo sapiens]
Official Symbol	KIAA1967
Synonyms	KIAA1967; KIAA1967; DBC1; DBC-1; NET35; p30DBC; p30 DBC protein; DBC.1; OTTHUMP00000225106; OTTHUMP00000225109; deleted in breast cancer 1; deleted in breast cancer gene 1 protein
Gene ID	57805
mRNA Refseq	NM_021174
Protein Refseq	NP_066997

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MIM	607359
UniProt ID	Q8N163
Chromosome Location	8p22
Pathway	TNF-alpha/NF-kB Signaling Pathway
Function	enzyme binding; enzyme inhibitor activity; protein binding

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