

## 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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<b>Applications</b>	Western blotting
<b>QualityControl Test</b>	BCA to determine quantity of the protein; SDS PAGE to determine purity of the protein
<b>Sequences of aminoacids</b>	MKHHHHHHHM IKKNLKKLGI EETYLNIKA IYDRPTASIQ KTENLSTKTG TSQEYHLSPL WFYIVLEILA STIRQEKNLK DIHTEKEEVK LSLFADAMIL YLKKPNDSTR KLELEIKKIH SSCRIKINIH FAFCSQ
<b>Storage</b>	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

<b>Gene Name</b>	KIAA1967 KIAA1967 [ <i>Homo sapiens</i> ]
<b>Official Symbol</b>	KIAA1967
<b>Synonyms</b>	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
<b>Gene ID</b>	57805
<b>mRNA Refseq</b>	NM_021174
<b>Protein Refseq</b>	NP_066997

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

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