

### Recombinant human c-Myc protein (Active) ab169901

★★★★★ [3 Abreviews](#) [7 References](#)

#### 製品の詳細

製品名	Recombinant human c-Myc protein (Active)
生理活性	<p>Reprogramming mouse fibroblast cell to iPS cells using 3 retroviral vectors, which carry Oct4, Sox2 &amp; Klf4 with this protein as replacement assay. 8 µg/ml of human Klf4-11R were added in reprogramming medium every 48 hours for 20 days.</p> <p>Intracellular protein penetration rate was tested using DyLight labeled ab169901 protein at 1 µg/ml for 30 min incubation for human fibroblast cells at 37°C. More than 90% cell will be positive one hour after sample incubation.</p>
精製度	<p>&gt; 93 % SDS-PAGE.</p> <p>ab169901 was expressed in E. coli as inclusion bodies, solubilized, refolded, and further purified.</p>
エンドトキシン・レベル	= 5.000 Eu/µg
発現系	Escherichia coli
アクセッション番号	<b><u>P01106-2</u></b>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	<p>MDFFRVVENQQPPATMPLNVSFTNRNYDLDYDSVQPYFYCDE EENFYQQQ QQSELQPPAPSEDIWKKFELLPTPPLSPSRRSGLCSPSYVAV TPFSLRGD NDGGGGSFSTADQLEMVTELLGGDMVNQSFICDPDDETFIKN IIIQDCMW SGFSAAAKLVSEKLASYQAARKDSGSPNPARGHSVCSTSSLY LQDLSAAA SECIDPSVVFPPYPLNDSSSPKSCASQDSSAFSPSSDILLSST ESSPQGSP EPLVLHEETPPTTSSDSEEEQEDEEIDVVSVEKRQAPGKRS ESGSPSAG GHSKPPHSPLVLKRCHVSTHQHNYAAPSTRKDYPAAKRVKL DSVRVLRQ ISNNRKCTSPRSSDTEENVKRRTHNVLERQRRNELKRSFFAL RDQIPELE NNEKAPKVILKKATAYILSVQAEEQKLISEEDLLRKRREQL</p>

予測される分子量	53 kDa
領域	1 to 454
配列の追加情報	Please note that ab169901 is isoform 2 of UniProt accession P01106. (NP_002458.2) C-terminal 11R tag : ESGGGGSPGRRRRRRRRRRR

## 特性

Our **Abpromise guarantee** covers the use of **ab169901** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Western blot
	Functional Studies
	SDS-PAGE
	Mass Spectrometry

製品の状態	Liquid
-------	--------

備考	<p>ab169901 is fused to an eleven arginine (11R) membrane penetration domain at the C terminus to enable penetration across the plasma membrane of mammalian cells.</p> <p>Cellular Toxicity: This recombinant protein was tested on mouse embryonic stem cells up to 50 µg/ml in culture medium. Suggested reprogramming protein concentration is between 0.5 to 8 µg / ml for both human and mouse fibroblast cells applications.</p>
----	---

## 前処理および保存

保存方法および安定性	<p>Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.</p> <p>pH: 7.50</p> <p>Constituent: 0.24% Tris</p> <p>Proprietary formulation of NaCl, KCl, CaCl<sub>2</sub>, MgCl<sub>2</sub>, Arginine, DTT and glycerol.</p> <p>This product is an active protein and may elicit a biological response in vivo, handle with caution.</p>
------------	--

## 関連情報

機能	Participates in the regulation of gene transcription. Binds DNA in a non-specific manner, yet also specifically recognizes the core sequence 5'-CAC[GA]TG-3'. Seems to activate the transcription of growth-related genes.
関連疾患	<p>Note=Overexpression of MYC is implicated in the etiology of a variety of hematopoietic tumors.</p> <p>Note=A chromosomal aberration involving MYC may be a cause of a form of B-cell chronic lymphocytic leukemia. Translocation t(8;12)(q24;q22) with BTG1.</p> <p>Defects in MYC are a cause of Burkitt lymphoma (BL) [MIM:113970]. A form of undifferentiated malignant lymphoma commonly manifested as a large osteolytic lesion in the jaw or as an abdominal mass. Note=Chromosomal aberrations involving MYC are usually found in Burkitt lymphoma. Translocations t(8;14), t(8;22) or t(2;8) which juxtapose MYC to one of the heavy or light chain immunoglobulin gene loci.</p>

配列類似性	Contains 1 basic helix-loop-helix (bHLH) domain.
翻訳後修飾	<p>Phosphorylated by PRKDC. Phosphorylation at Thr-58 and Ser-62 by GSK3 is required for ubiquitination and degradation by the proteasome.</p> <p>Ubiquitinated by the SCF(FBXW7) complex when phosphorylated at Thr-58 and Ser-62, leading to its degradation by the proteasome. In the nucleoplasm, ubiquitination is counteracted by USP28, which interacts with isoform 1 of FBXW7 (FBW7alpha), leading to its deubiquitination and preventing degradation. In the nucleolus, however, ubiquitination is not counteracted by USP28, due to the lack of interaction between isoform 4 of FBXW7 (FBW7gamma) and USP28, explaining the selective MYC degradation in the nucleolus. Also polyubiquitinated by the DCX(TRUSS) complex.</p>
細胞内局在	Nucleus > nucleoplasm. Nucleus > nucleolus.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

### Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors