

Eat Well, Live Well.



# Growth factors for regenerative medicine research

# Activin A

This product can be used for clinical research applications in Japan.

## Product Size

10µg (0.1mg/ml, 100µl)

50µg (0.1mg/ml, 500µl)

1mg (Please Inquire)



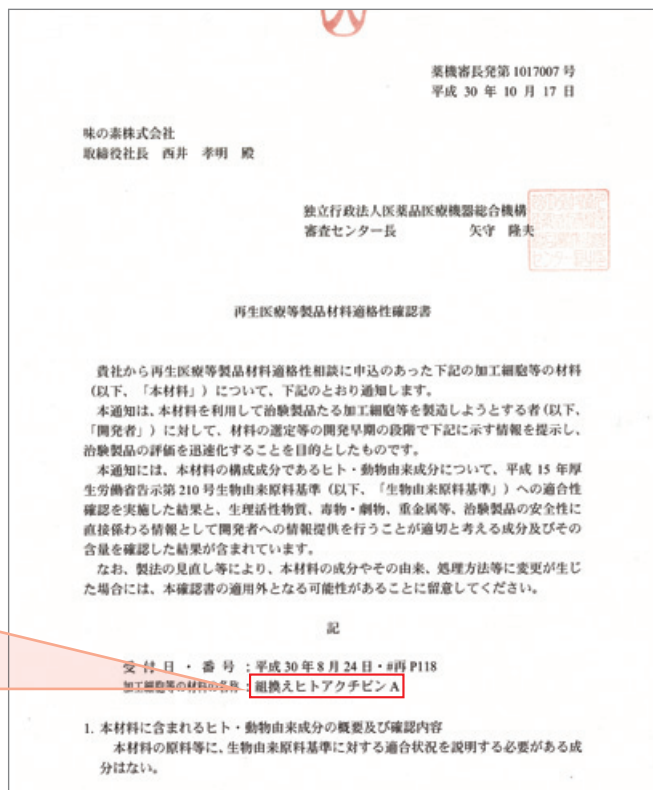
**AJINOMOTO.**  
**Recombinant human  
activin A**

Lot : ACT 170001  
0.1mg/mL

For research use only  
Store at -80°C

Avoid repeated freeze-thaw cycles

15-1, Kyobashi 1-chome, Chuo-ku, Tokyo, Japan



\*PMDA (Pharmaceuticals and Medical Devices Agency) : the pharmaceutical regulatory and review agency of the Japanese Ministry of Health, Labor and Welfare

## Product Features



### Production in GMP facility

GMP-compliant product is available soon



### Animal-origin component free

Obtained written confirmation of raw material eligibility from the \*PMDA



### Large scale production

A large amount of product in the same lot can be provided



### Frozen form easy to use

No need to dissolve  
Buffer: 50 mmol/L Sodium acetate, pH 4.6


## »» Activin A Product comparison table

	AJINOMOTO	Company X	Company Y	Company Z
Host cell	<i>E. coli</i>	<i>E. coli</i>	CHO	Human
Endotoxin	<0.01 EU/μg	NA	<0.01 EU/μg	<0.1 EU/μg
Purity	≥97% (SDS-PAGE)	≥97% (SDS-PAGE, HPLC)	>95% (SDS-PAGE)	≥95% (SDS-PAGE)
Biological activity*1	50-150% vs. WHO std*2. ED <sub>50</sub> (K562)	ED <sub>50</sub> ≤ 2.0ng/mL (MPC-11)	ED <sub>50</sub> 0.2-1.2ng/mL (K562)	ED <sub>50</sub> 0.5-5ng/mL (MPC-11)
Form	0.1mg/mL Frozen	Lyophilized	Lyophilized	Lyophilized

\*1 Measured by its ability to induce hemoglobin expression in K562 human chronic myelogenous leukemia cell.

\*2 Activin A WHO international std., NIBSC code: 91/626

## »» Other product lineup

Item	Expression System	Product Size	Remarks
bFGF	<i>Corynebacterium glutamicum</i>	 5mg (0.3mg/ml)	1mg (0.3mg/ml) is available from this summer
TGFβ3	<i>Corynebacterium glutamicum</i>	0.1mg (0.1mg/ml)	Available from this autumn (Sample is available soon)
FGF-9	<i>Corynebacterium glutamicum</i>	(Sample only)	Sample is available Please feel free to contact us

- Prices for the above items are subject to negotiation
- Please feel free to contact us if you need other proteins for regenerative medicine

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