

**Product Information: Recombinant human Activin A, 1mg (GMP compliant)**

**1. Introduction**

Activin A is a member of the TGF-beta superfamily of cytokines and is involved in a wide range of biological processes including tissue morphogenesis and repair, fibrosis, inflammation, neural development, hematopoiesis, reproductive system function, and carcinogenesis. Human Activin A is a 26.0 kDa disulfide-linked homodimer of two  $\beta$ A chains, each containing 116 amino acid residues. Activin A is mainly used for stem cell cultivation in order to differentiate the stem cell into endoderm or mesoderm.

Source: *Escherichia coli*

Amino Acids Sequence:

GLECDGKVNI CCKKQFFVSF KDIGWNDWII APSGYHANYC EGECPSHIAG TSGSSLSFHS  
TVINHYRMRG HSPFANLKSC CVPTKLRPMS MLYYDDGQNI IKKDIQNMIV EECGCS



**2. Materials Provided**

Component	Volume	Storage
Recombinant human Activin A, 1mg (GMP compliant) (0.1 mg/ml)	10 ml	Store at -80°C

**3. Preparation for Use**

Recombinant human Activin A is provided frozen and can be stored at -80°C until use. Before use, this frozen product should be thawed on ice. Avoid repeated freeze-thaw cycles. As a general guide, if product is dispensed after the first thawing, do not store the aliquots at -20°C for more than 6 months (within 4 years from the manufacturing date) or at -80°C for more than 4 years from the manufacturing date.

**4. Precaution and Disclaimer**

Recombinant human Activin A is for research use only and is not for diagnostic use, therapeutic use (including clinical research), or as a food. Activin A is dissolved in 50 mM sodium acetate buffer, pH4.6 (0.2  $\mu$ m filtered).

**5. Contact the following department for product information:**

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