

RMGH118

Recombinant Activin A, Human, GMP

 100ug;

Order	021-34695924 orders@ab-mart.com
Support	400-6123-828 support1@ab-mart.com
Web	www.ab-mart.com.cn

Synonym/Alternative name(s):

Inhibin beta A chain, Activin beta-A chain, Erythroid differentiation protein

Activity:

Measure by its ability to induce hemoglobin expression in K562 cells.

The ED50 for this effect is <0.85 ng/mL.

The specific activity of recombinant human Activin A is approximately >1.4 x 10³ IU/mg.**Protein Description:**

Activin is the member of the TGF beta superfamily of cytokines. The current understanding of Activin A is classified as a hormone, a growth factor, and a cytokine. Depending on the different cell type, that overexpression of Activin A can either inhibit or promote cells division. There are important implications for tumor biology. Activin A also increase joint inflammation in rheumatoid arthritis (RA) and induces pathogenic mechanisms in the respiratory system.

Protein Accession : P08476**Gene ID :** 3624**Expression Sequence:**MGLECDGKVNICCKKQFFVSFKDIGWNDWIIAPSGYHANYCEGECPSHIAGTSGSSLSFHSTVINHYRMRGHSPFANLKSCCVPTKLRP
MSMLYYDDGQNIKKDIQNMIVEECGCS with polyhistidine tag at the C-terminus.**Fusion tag :** His-tag?at?the?C-terminus**Species :** Human**Reactivity :** Human**Expression Host :** Escherichia coli**Source :** E. coli**Purity/method:**

>95% as determined by SDS-PAGE.

Ni-NTA chromatography.

Endotoxin level:

<0.1 EU per 1 µg of the protein by the LAL method.

Calculated Molecular Weight : 13.9 kDa**Formulation:**

The protein was lyophilized from a solution containing 0.1% sarkosyl in 1X PBS, pH 8.0.

Reconstitution:It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.**Shipping :** Blue Ice**Stability and Storage:**

Lyophilized protein should be stored at -20°C for 1 year.

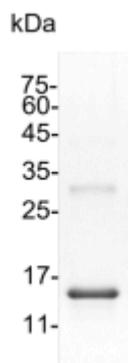
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category : Cytokines

Application : Cell culture, Elisa

Image:



SDS- PAGE analysis of GMP human Activin A