

CHAMOT

Recombinant Activin A, Human, GMP

CM118-100HPG

CM118-1000HPG



CHAMOT

乔默®生物

Specialize In Cytokines



CONTENT

1 Product Specifications

2 Product Note

3 Storage/Shipping

4 Scientific Data

Recombinant Activin A, Human, GMP

Catalog#	CM118-100HPG	CM118-1000HPG
Size	100 ug	1 mg

Product Specifications

Background 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.

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

Uniprot ID P08476

Molecular Weight The protein has a calculated MW of 12.96 kDa. The protein migrates as 13-17 kDa under reducing condition (SDS-PAGE analysis).

Expression System Escherichia coli

Purity >97% as determined by SDS-PAGE analysis.

Activity Measure by its ability to inhibit the proliferation of mouse MPC-11 cells. The ED₅₀ for this effect is <10 ng/mL. The specific activity of recombinant human Activin A is approximately >1.0 x 10³ IU/mg.

Endotoxin Level <0.05 EU per 1 µg of the protein by the LAL method.

Protein Sequence GLECDGKVNICCKKQFFVSFKDIGWNDWIIAPSGYHANYCEGECPSHIAGTSGSSLSFHSTV
INHRYMRGHSPFANLKSCCVPTKLRPMSMLYDDGQNIKKDIQNMIVEECGCS

Form Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Application Cell Culture

Product Note

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 0.5 mg/mL and incubate the stock solution at RT for at least 20 min to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Storage/Shipping

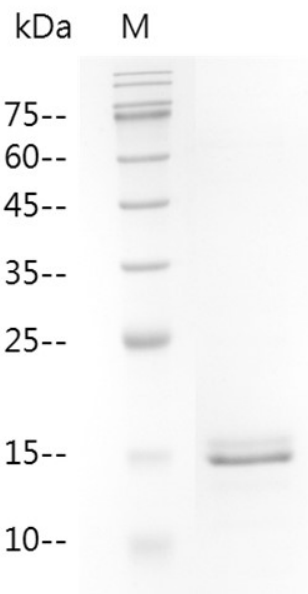
Stability & Storage

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. Avoid repeated freeze/thaw cycles.

Shipping

Blue Ice

Scientific Data



SDS- PAGE analysis of GMP human Activin A

For Research Use or Further Manufacturing Only

Chamot Biotechnology(Shanghai) Co., Ltd. www.chamot-bio.com

