



Activin-B Human Recombinant, Active

Item Number rAP-2124

Inhibin beta B (activin AB beta polypeptide), Inhibin, beta-2, Activin beta-B chain, MGC157939. **Synonyms**

Description Activin B human Recombinant produced in Nicotiana benthamiana plant is a beta-B single chain (aa 293-

406) containing 123 amino acids (molecular formula C615H910N178O177S12). Activin B is fused to a 10-His-tag at the N-terminal having the total molecular mass of 14kDa and purified by standard chromato-

P09529 **Uniprot Accesion Number**

HHHHHHHHH GLECDGRTNL CCRQQFFIDF RLIGWNDWII APTGYYGNYC EGSCPAYLAG VPGSASS-**Amino Acid Sequence**

FHT AVVNQYRMRG LNPGTVNSCC IPTKLSTMSM LYFDDEYNIV KRDVPNMIVE ECG.

Source Nicotiana benthamiana plant

Physical Appearance

and Stability

Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Activin B although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Activin B should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to

add a carrier protein (0.1% HŚA or BSA). Please prevent freeze-thaw cycles.

Lyophilized from 1mg/ml solution in 0.05M Tris-HCl buffer pH 7.4. Greater than 97.0% as determined by Formulation and Purity

Analysis by SDS-PAGE.

Application

Solubility It is recommended to reconstitute the lyophilized Activin B in sterile 18M-cm H2O not less than 100µg/ml,

which can then be further diluted to other aqueous solutions.

The biological activity of Activin B is measured by its ability to inhibit mouse plasmacytoma cell line (MPC-**Biological Activity**

11) cells proliferation. EC50 <5ng/ml is required to stimulate a half-maximal response at cytokine satura-

tion. Note: Since applications vary, e

Shipping Format and Condition Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only