

Datasheet

Recombinant Human Activin AB

Catalog Number: PR15011

Product Type: Recombinant protein

Source: DNA sequences encoding human Activin β A chain and human β B chain (Mason, A.J. *et al.*, 1986, Biochem. Biophys. Res. Commun. **135**:957 - 964) were expressed in CHO cells.

Molecular Mass: The mature recombinant human Activin AB, generated by proteolytic removal of the propeptides, is a disulfide-linked heterodimer of the mature human Activin β A chain and mature human Activin β B chain. Based on N-terminal sequencing, β A chain starts at Gly 311 and β B chain starts at Gly 293. The A and B monomers of recombinant human Activin AB have the same apparent molecular mass of approximately 14 kDa in SDS-PAGE under reducing conditions.

Purity: > 90%, as determined by SDS-PAGE and visualized by silver stain.

Endotoxin Levels: < 1.0 EU per 1 μ g of the enzyme as determined by the LAL method.

Activity: Measured by its ability to induce hemoglobin expression in K562 cells (Schwall, R.H. *et al.*, 1991, Method Enzymol. **198**:340).

Format: The ED₅₀ for this effect is typically 0.5 - 2 ng/mL.
Lyophilized from a 0.2 μ m filtered solution in 35% CH₃CN, 0.1% TFA containing 50 μ g of bovine serum albumin per 1 μ g of cytokine.

Reconstitution: It is recommended that sterile PBS containing at least 0.1% human serum albumin or bovine serum albumin be added to the vial to prepare a stock solution of no less than 10 μ g/mL.

Storage: Lyophilized samples are stable for up to six months at -20° C to -70° C.
Upon reconstitution, this cytokine, in the presence of a carrier protein, can be stored under sterile conditions at 2 - 8° C for one month or at -20° C to -70° C in a **manual defrost freezer** for three months without detectable loss of activity.

Avoid repeated freeze-thaw cycles.
