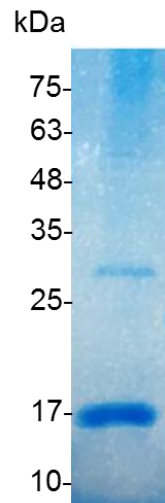


Catalog number	C01120-5UG / C01120-20UG / C01120-100UG
Package	5 µg / 20 µg / 100 µg
Description	<p>Activins and inhibins, members of the TGF-beta superfamily, are disulfide-linked dimeric proteins that were originally purified from gonadal fluids as proteins that stimulated or inhibited, respectively, pituitary follicle stimulating hormone (FSH) release. Activin is strongly expressed in wounded skin, and overexpression of activin in epidermis of transgenic mice improves wound healing and enhances scar formation. Activin also regulates the morphogenesis of branching organs such as the prostate, lung, and kidney. There is also evidence showed that lack of activin during development results in neural developmental defects.</p>
Source	<i>Escherichia coli</i>
Sequence	<p>MGLECDGRTNLCCRQQFFIDFRLIGWNDWIIAPTGYYGNYCEGSCPAYLAGVP GSASSFHTAVVNQYRMRGLNPGTVNSCCIPTKLSTMSMLYFDDEYNIVKRDVP NMIVEECGCA with polyhistidine tag at the C-terminus</p>
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	<p>Measure by its ability to induce hemoglobin expression in K562 cells. The ED₅₀ for this effect is <0.7 ng/mL. The specific activity of recombinant human Activin B is > 1.5 x 10⁶ IU/mg.</p>
Purity	>98% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.
Reconstitution	<p>It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.</p>
Stability & Storage	<p>This product is stable after storage at:</p> <ul style="list-style-type: none"> -20°C for 12 months in lyophilized state from date of receipt. -20°C or -80°C for 1 month under sterile conditions after reconstitution. <p>Avoid repeated freeze/thaw cycles.</p>



SDS-PAGE analysis of recombinant human Activin B

For research use only.