CHAMOT

Recombinant Activin B，Mouse，Animal-Free

CM064-5MP

CM064-20MP

CM064-100MP

CM064-500MP

CM064-1000MP

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Specialize In Cytokines

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Product Datasheet

Recombinant Activin B，Mouse，Animal-Free

Catalog#	CM064-5MP	CM064-20MP	CM064-100MP	CM064-500MP	CM064-1000MP
Size	5 ug	20 ug	100 ug	500 ug	1 mg

Product Specifications

Background	Activin B is the cytokine of the TGF beta family, which is a 12.9 kDa protein containing 116 amino acid residues. Activin B has the wide variety of biological function including stem cell differentiation, inflammation, bone remodeling and neural development. It also has a role in regulation of FSH secretion. Activin B induces the phosphorylation of Smad which binds the smad binding element.
Synonyms	Activin Beta B; Activin beta-B chain; INHBB; inhibin beta B
Uniprot ID	Q04999
Molecular Weight	The protein has a calculated MW of 13.71 kDa. The protein migrates about 17 kDa under reducing condition (SDS-PAGE analysis).
Expression System	Escherichia coli
Purity	>95% as determined by SDS-PAGE.
Activity	Measure by its ability to induce hemoglobin expression in K562 cells. The ED_{50} for this effect is <1 ng/mL.
Endotoxin Level	<0.1 EU per 1 μg of the protein by the LAL method.
Protein Sequence	MGLECDGRTSLCCRQQFFIDFRLIGWNDWIIAPTGYYGNYCEGSCPAYLAGVPGSASSFHTA VVNQYRMRGLNPGPVNSCCIPTKLSSMSMLYFDDEYNIVKRDVPNMIVEECGCA with polyhistidine tag at the C-terminus.
Form	The protein was lyophilized from a 0.2 μm filtered solution containing 1X PBS, pH 8.0. If you have any concerns or special requirements, please confirm with us.
Application	Cell Culture

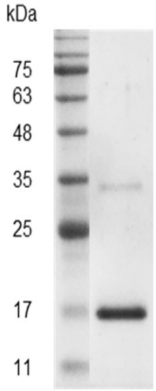
Product Note

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 100 μg/mL and incubate the stock solution at room temperature for at least 20 mins 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 recombinant mouse Activin B

For Research Use or Further Manufacturing Only

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