

Activin B, Human recombinant protein
Activin beta-B, Inhibin beta-2
Catalog # PBV10747r**Specification**

Activin B, Human recombinant protein - Product info

Primary Accession [P36896](#)
Calculated MW **25.6 kDa** KDa

Activin B, Human recombinant protein - Additional Info

Gene ID	91
Gene Symbol	ACVR1B
Other Names	
Activin beta-B, Inhibin beta-2	
Gene Source	Human
Source	(BTI-Tn-5B1-4) Hi-5 Insect cells
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	HPLC;
Recombinant	Yes
Sequence	GLECDGRTNL CCRQQFFIDF RLIGWNDWII APTGYGNYC EGSCPAYLAG VPGSASSFHT AVVNQYRMRG LNP GTVNSCC IPTKLSTMSM LYFDDEYNIV KR DVPNMIVE ECGCA

Target/Specificity

Activin B

Application Notes

Centrifuge the vial prior to opening. Reconstitute in 10 mM Sodium citrate, pH 3.0 to a concentration of 0.5 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Format

Lyophilized powder

Storage

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized from 10 mM Sodium Citrate, pH 3.0 and 5% Trehalose.

Activin B, Human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Activin B, Human recombinant protein - Images**Activin B, Human recombinant protein - Background**

Activin B is a TGF- β family member that exhibits a wide range of biological activities including regulation of embryogenesis, osteogenesis, hematopoiesis, reproductive physiology and hormone secretion from the hypothalamic, pituitary and gonadal glands. Activin B, like certain other members of the TGF- β family, signals through the ActRII receptor (Activin Receptor type II). Human Activin B is a 25.6 kDa disulfide-linked homodimer consisting of two β B chains, each containing 115 amino acid residues.

Activin B, Human recombinant protein - References

ten Dijke P., et al. Oncogene 8:2879-2887(1993).
Carcamo J., et al. Mol. Cell. Biol. 14:3810-3821(1994).
Xu J., et al. Proc. Natl. Acad. Sci. U.S.A. 91:7957-7961(1994).
Kalnina N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).