

Recombinant Human Activin Receptor 2B/Activin RIIB/ACVR2B Protein(C-6His)

Cat.NO.: TP05560

3th Edition

Synonyms:Activin Receptor Type-2B; Activin Receptor Type IIB; ACTR-IIB; ACVR2B

Description:Activin proteins that belong to the transforming growth factor-beta (TGF-?) superfamily, exert their biological actions by binding to heteromeric receptor complexes of type I and type II serine/threonine kinase receptors. On ligand binding, type I and II receptors form a stable complex, resulting in phosphorylation of type I receptors by type II receptors with constitutive kinase activity, and subsequently initiates the activation of downstream molecules including the endogenous Smads. ActRIIB, also known as ActRIIB, is a type II receptor containing an extracellular domain (ECD), a transmembrane segment, and a cytoplasmic region that includes the kinase domain. ActRIIB is a receptor for activin A, activin B and inhibin A. Multiple ActRIIB isoforms can also be generated, which bind activin isoforms with different affinities.

Form:PBS

Molecular Weight:14.4 kDa

Sequences:Ser19-Thr134

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.