

Product Name: Recombinant Human ACVR2B (C-Fc-6His)
Catalog #: PHH0014

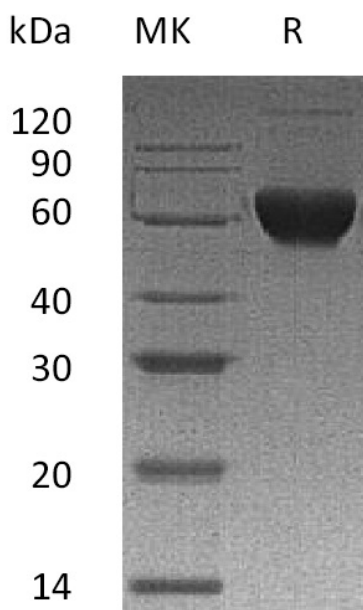


Summary

Name	Activin RIIb/ACVR2B/Activin receptor type IIB
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Activin Receptor Type 2B is produced by our Mammalian expression system and the target gene encoding Ser19-Thr134 is expressed with a human IgG1 Fc, 6His tag at the C-terminus.
Accession #	Q13705
Host	Human Cells
Species	Human
Predicted Molecular Mass	41.3 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM Tris-HCl, 10% Trehalose, 3% Mannitol, 0.05% Tween 80, 10 mM Methionine, pH8.5.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

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

Background

Activin proteins that belong to the transforming growth factor-beta (TGF- β) 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.

Note

For Research Use Only , Not for Diagnostic Use.