

Product datasheet for **TP727971**

Activin Receptor Type IIB (ACVR2B) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Activin Receptor 2B/Activin RIIB/ACVR2B (C-Fc-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ser19-Thr134
Tag:	C-Fc&His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Note:	Recombinant Human Activin Receptor Type 2B is produced by our Mammalian expression system and the target gene encoding Ser19-Thr134 is expressed with a Fc, 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	93
UniProt ID:	Q13705
Summary:	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.



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