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Recombinant Mouse Activin Receptor-like Kinase 1 Protein

产品货号: TP04561

第三版

别名: Serine/threonine-protein kinase receptor R3; SKR3; Activin receptor-like kinase 1; ALK-1; TGF- β superfamily receptor type I; TSR-I; ACVRL1; activin A receptor type II-like 1; activin A receptor

描述: Activin Receptor-Like Kinase 1 (ALK-1) is a type I cell-surface receptor for the TGF- β superfamily of ligands, which mediates signaling of BMP9 (bone morphogenetic protein) and BMP10. ALK1 signaling is necessary for angiogenesis during embryogenesis, wound healing, and tumor growth. ALK-1 has a high degree of similarity in serine-threonine kinase subdomains, a glycine and serine rich region preceding the kinase-domain, and a C-terminal tail with other activin receptor-like kinase proteins. ALK-1 is mainly expressed in endothelial cells regulating proliferation and migration in vitro and angiogenesis in vivo. Mutations in ALK-1 as well as in endoglin are associated with hereditary hemorrhagic telangiectasia (HHT), suggesting ALK-1 plays a critical role for in the control of blood vessel development or repair.

配方: PBS

分子量: 38.1 kDa

序列: Asp23-Pro119

纯度: > 95% by HPLC

浓度:

内毒素: <1.0 EU per 1 μ g of protein (determined by LAL method)

存储: +4 °C 保存 (1-2 周). 长期保存在 -20 °C 或者 -70 °C. 避免反复冻融.