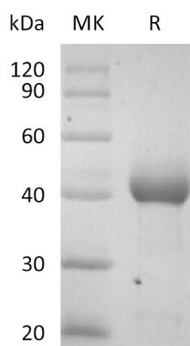


概述 (Summary)

英文全称	ALK-2/Activin RIA/Receptor protein serine/threonine kinase/ACVR1
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	<1 EU/μg as determined by LAL test.
蛋白构建 (Construction)	Recombinant Human Receptor Protein Serine/Threonine Kinase is produced by our Mammalian expression system and the target gene encoding Asp23/xadVal124 is expressed with a human IgG1 Fc tag at the C-terminus.
Accession #	Q53SV1
蛋白标签 (Tag)	
表达宿主 (Host)	Human Cells
种属 (Species)	Human
预测分子量 (Predicted MW)	38.2 KDa
蛋白形态 (Form)	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
储存缓冲液 (Buffer)	
运输方式 (Shipping)	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (Stability &Storage)	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
复溶 (Reconstitution)	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/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 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

电泳图 (SDS-PAGE image)

Product Name: Recombinant Human ALK-2 (C-Fc)
Catalog #: PHH2223



背景 (Background)

分子别名 (Alternative Names)

activin A receptor, type I; Activin RIA; ActivinRIA; ACTRI; ACVR1; ACVR1A; ACVRLK2; ALK2; ALK-2; FOP; SKR1; TSRI

背景介绍 (References)

Activin RIA, also known as ALK-2, TSK-7L, SKR1, TSR-I, and ACTR-I, is a glycosylated 65 kDa type I receptor in the TGF-beta serine/threonine kinase receptor family. Binding of TGF-beta superfamily ligands induces formation of a heterotetrameric complex that contains two chains each of a type I and a type II receptor in multiple combinations. The type II receptors phosphorylate the type I receptors which then phosphorylate and activate Smad signal transduction proteins. Activin RIA functions in a wide variety of growth and differentiation processes including gastrulation, skeletal system development, and cardiac morphogenesis. BMP signaling through Activin RIA is enhanced by the direct interaction between Activin RIA and RGM-B/DRAGON, a BMP coreceptor that also associates with other type I and type II receptors. Activin RIA can additionally phosphorylate the coreceptor Endoglin and is required for the inhibitory effect of Endoglin on prostate cancer cell motility.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.