产品名称：Recombinant Human BMPR2 (C-Fc-6His)
产品货号：PHH0162

概述（Summary）

英文全称	BMPR-II/PPH1/BMPR2/BMP type II receptor
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 Bone Morphogenetic Protein Receptor Type IIA is produced by our Mammalian expression system and the target gene encoding Ser27-Ile151 is expressed with a human IgG1 Fc, 6His tag at the C-terminus.
Accession #	Q13873
表达宿主（Host）	Human Cells
种属（Species）	Human
预测分子量（Predicted MW）	41.9 KDa
制剂（Form）	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 5% Trehalose, 0.06% Tween 80, pH 7.4.
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）	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.
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）

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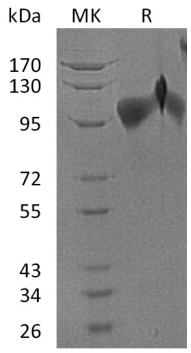

背景（Background）

分子别名（Alternative Names）

Bone Morphogenetic Protein Receptor Type-2; BMP Type-2 Receptor; BMPR-2; Bone Morphogenetic Protein Receptor Type II; BMP Type II Receptor; BMPR-II; BMPR2; PPH1

背景介绍（References）

Bone Morphogenetic Protein Receptor II (BMPR-II) is a Type II Serine/Threonine Kinase that mediates cellular responses to BMPs. BMPR-II is characterized by lacking of a GS domain, and presence of a C-terminal extension typical of type II receptors. BMPRII binds BMP2, BMP4 and BMP7 weakly in the absence of type I receptor, and the binding can be facilitated by the presence of the type I receptor, including BMPR-IA/Brk1, BMPR-IB, and ActR-I. BMPR-II plays a key role in cell growth. Defects in BMPR-II have been linked to primary pulmonary hypertension. Human and mouse BMPR-II are highly conserved and share 97 % amino acid sequence identity.

注意事项（Note）

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