#### Human/Mouse BMPR2 Protein

#### Cat. No. BMP-HM2R2

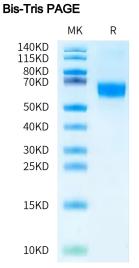
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Description	
Source	Recombinant Human/Mouse BMPR2 Protein is expressed from HEK293 with hFc tag at the C-terminus.
	It contains Ser27-Thr150.
Accession	Q13873-1(Human) / O35607(Mouse)
Molecular Weight	The protein has a predicted MW of 39.84 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	>95% as determined by Bis-Tris PAGE
	>95% as determined by HPLC
Formulation and S	Storage
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Background	
	Bone morphogenetic protein type 2 receptor (BMPR2) is one of the transforming growth factor-β (TGF-β) superfamily receptors, performing diverse roles during embryonic development, vasculogenesis, and osteogenesis. Human BMPR2 consists of 1,038 amino acids, and contains functionally conserved extracellular, transmembrane, kinase, and C-terminal cytoplasmic domains. Bone morphogenetic proteins (BMPs) engage the tetrameric complex, composed of BMPR2 and its corresponding type 1 receptors, which initiates SMAD proteins-

mediated signal transduction leading to the expression of target genes implicated in the development or

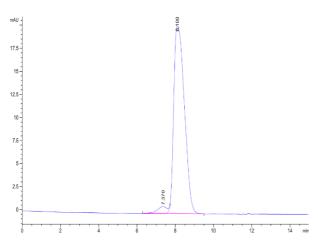
differentiation of the embryo, organs and bones.

### Assay Data



# Human/Mouse BMPR2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human/Mouse BMPR2 is greater than 95% as determined by SEC-HPLC.