

# Recombinant Human BMPR2

Catalog No: #GP10883



Package Size: #GP10883-1 100ug

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## Description

Product Name	Recombinant Human BMPR2
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from C terminal 250 amino acids of human bone morphogenetic protein receptor, type II (serine/threonine kinase)
Target Name	bone morphogenetic protein receptor, type II (serine/threonine kinase)
Other Names	BMR2; PPH1; BMPR3; BRK-3; T-ALK; BMPR-II
Accession No.	Swissprot:Q13873Gene Accession:BC052985
Uniprot	Q13873
GenelD	659;
Storage	-20~-80°C, pH 7.6 PBS

## Background

This gene encodes a member of the bone morphogenetic protein (BMP) receptor family of transmembrane serine/threonine kinases. The ligands of this receptor are BMPs, which are members of the TGF-beta superfamily. BMPs are involved in endochondral bone formation and embryogenesis. These proteins transduce their signals through the formation of heteromeric complexes of two different types of serine (threonine) kinase receptors: type I receptors of about 50-55 kD and type II receptors of about 70-80 kD. Type II receptors bind ligands in the absence of type I receptors, but they require their respective type I receptors for signaling, whereas type I receptors require their respective type II receptors for ligand binding. Mutations in this gene have been associated with primary pulmonary hypertension, both familial and fenfluramine-associated, and with pulmonary venoocclusive disease.

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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