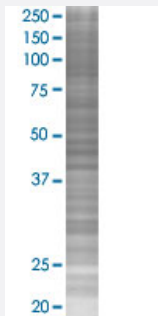


BMPR2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000659-T02

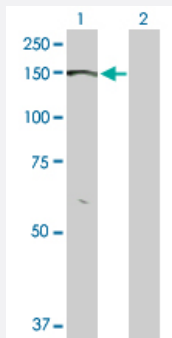
Size 100 uL

Applications



SDS-PAGE Gel

BMPR2 transfected lysate.



Western Blot

Lane 1: BMPR2 transfected lysate (115.20 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-BMPR2 full-length
Host	Human
Theoretical MW (kDa)	115.2
Interspecies Antigen Sequence	Mouse (97); Rat (96)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-BMPR2 antibody ([H00000659-D01P](#)) by Western Blots.
SDS-PAGE Gel
BMPR2 transfected lysate.
Western Blot
Lane 1: BMPR2 transfected lysate (115.20 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — BMPR2

Entrez GeneID[659](#)**GeneBank Accession#**[NM_001204.5](#)**Protein Accession#**[NP_001195.2](#)**Gene Name**

BMPR2

Gene Alias

BMPR-II, BMPR3, BMR2, BRK-3, FLJ41585, FLJ76945, PPH1, T-ALK

Gene Description

bone morphogenetic protein receptor, type II (serine/threonine kinase)

Omim ID[178600](#) [265450](#) [600799](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

BMP type II receptor|bone morphogenetic protein receptor type II|bone morphogenetic protein receptor type-2|primary pulmonary hypertension 1|serine/threonine kinase|type II activin receptor-like kinase|type II receptor for bone morphogenetic protein-4

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [TGF-beta signaling pathway](#)

Disease

- [Adenomatous Polyposis Coli](#)
- [Anemia](#)
- [Anoxia](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Heart Defects](#)
- [Heart Diseases](#)
- [Hypertension](#)
- [Liver Cirrhosis](#)
- [Microsatellite Instability](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)

- [Puberty](#)
- [Scleroderma](#)
- [Stomach Neoplasms](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Tricuspid Valve Insufficiency](#)