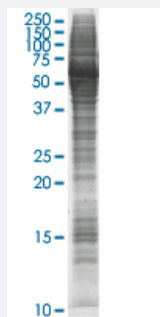


BMPR1B HEK293 Cell Transient Overexpression Lysate(Non-Denatured)

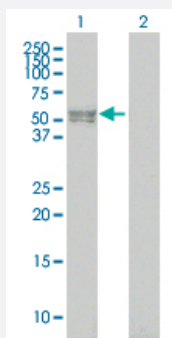
Catalog # L026T6 Size 100 ug

Applications



SDS-PAGE Gel

BMPR1B transfected lysate



Western Blot

Lane 1: BMPR1B transfected lysate (57 KDa).

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	HEK293
Plasmid	pCMV-BMPR1B full length
Host	Human
Theoretical MW (kDa)	57
Lysis Buffer	Modified RIPA Lysis Buffer:50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF.
Concentration	2 mg/ml

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-BMPR1B antibody ([H00000658-M02](#)) by Western Blots.
SDS-PAGE Gel
BMPR1B transfected lysate
Western Blot
Lane 1: BMPR1B transfected lysate (57 KDa).
Lane 2: Non-transfected lysate.

Recommend Usage

Use it directly for immuno-precipitation, or heat lysate with SDS gel loading buffer to 95°C for 5 minutes followed by rapid cooling for western blot application. If dissociating conditions are required, add reducing agent prior to heating.

Storage Buffer

In modified RIPA Lysis Buffer.

Storage Instruction

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

Applications

- Western Blot
- Immunoprecipitation

[Protocol Download](#)

Gene Info — BMPR1B

Entrez GeneID

[658](#)

GeneBank Accession#

[BC047773](#)

Protein Accession#

[AAH47773](#)

Gene Name

BMPR1B

Gene Alias

ALK-6, ALK6, CDw293

Gene Description

bone morphogenetic protein receptor, type IB

Omim ID

[112600 603248](#)

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 2 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. [provided by RefSeq]

Other Designations

OTTHUMP00000161622|activin receptor-like kinase 6|serine/threonine receptor kinase

Pathway

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

Disease

- [Adenomatous Polyposis Coli](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)