



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

BMPR1B Validated Chimera RNAi

Catalog # : H00000658-R01V

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens bone morphogenetic protein receptor, type IB (BMPR1B), mRNA.

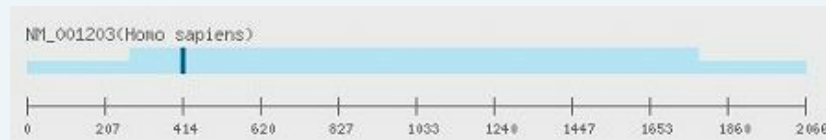
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_001203

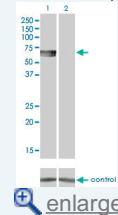
Storage Instruction: Store at -20°C, do not exceed 4 - 5 freeze-thaw cycles to ensure product integrity.

Note: Position of the Chimera RNAi.



Application Image

RNAi Knockdown (Antibody validated)

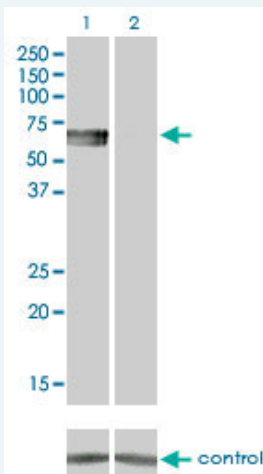


Publication Reference


- dsCheck: highly sensitive off-target search software for double-stranded RNA-mediated RNA interference.
Naito Y, Yamada T, Matsumiya T, Ui-Tei K, Saigo K, Morishita S. *Nucleic Acids Res.* 2005 Jul 1;33(Web Server issue):W589-91.
- Functional dissection of siRNA sequence by systematic DNA substitution: modified siRNA with a DNA seed arm is a powerful tool for mammalian gene silencing with significantly reduced off-target effect.
Ui-Tei K, Naito Y, Zenno S, Nishi K, Yamato K, Takahashi F, Juni A, Saigo K. *Nucleic Acids Res.* 2008 Apr;36(7):2136-51. Epub 2008 Feb 11.
- Guidelines for the selection of highly effective siRNA sequences for mammalian and chick RNA interference.
Ui-Tei K, Naito Y, Takahashi F, Haraguchi T, Ohki-Hamazaki H, Juni A, Ueda R, Saigo K. *Nucleic Acids Res.* 2004 Feb 9;32(3):936-48. Print 2004.
- siDirect: highly effective, target-specific siRNA design software for mammalian RNA interference.
Naito Y, Yamada T, Ui-Tei K, Morishita S, Saigo K. *Nucleic Acids Res.* 2004 Jul 1;32(Web Server issue):W124-9.

Applications

RNAi Knockdown (Antibody validated)



Western blot analysis of BMPR1B over-expressed 293 cell line, cotransfected with BMPR1B Validated Chimera RNAi (Cat # H00000658-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with BMPR1B monoclonal antibody (M01) clone 2F3 (Cat # H00000658-M01). GAPDH (36.1 kDa) used as specificity and loading control.

 [Protocol Download](#)

Gene Information

Entrez GeneID: [658](#)

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

Gene Pathway

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

Related Disease

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

