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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

BMPR2 (Human) Recombinant Protein (Q01)

Catalog Number: H00000659-Q01

Regulation Status: For research use only (RUO)

Product Description: Human BMPR2 partial ORF (NP_001195.2, 939 a.a. - 1037 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:
NSLDLSATNVLDGSSIQIGESTQDGKSGSGEKIKKRVK TPYSLKRWRPSTWVISTESLDCEVNNNGSNRAVHSKS STAVYLAEGGTATTMVSKDIGMNC

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 36.63

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Preparation Method: *in vitro* wheat germ expression system

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

Entrez GeneID: 659

Gene Symbol: BMPR2

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

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]

References:

1. Bone morphogenetic protein receptor expressions in the adult rat brain. Miyagi M, Mikawa S, Hasegawa T, Sho K, Matsuyama Y, Sato K. Neuroscience. 2010 Dec 23. [Epub ahead of print]