

Recombinant Mouse Bmpr2 Protein, MYC/DDK-tagged

Cat. No. Bmpr2-715M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse bone morphogenetic protein receptor, type II (serine/threonine kinase) (Bmpr2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a serine/threonine kinase that functions as a receptor for bone morphogenetic proteins (BMPs). The encoded protein is a type II receptor that binds extracellular BMPs and forms a complex of two type II and two type I receptors at the cell membrane. This complex signals downstream to activate SMAD transcriptional regulators. This signaling is important during embryonic development. Mutations in this gene can cause pulmonary hypertension.
Molecular Mass	115.5 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Bmpr2 bone morphogenetic protein receptor, type II \(serine/threonine kinase\) \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Bmpr2](#)

Synonyms [Bmpr2](#); bone morphogenetic protein receptor, type II (serine/threonine kinase); BMP-2; BRK-3; BMPR-2; BMPRII; BMPR-II; Gm20272; AL117858; AW546137; BB189135; 2610024H22Rik; bone morphogenetic protein receptor type-2; BMP type II receptor; BMP type-2 receptor; bone morphogenetic protein receptor, type II (serine/threonine kinase); EC 2.7.11.30

Gene ID [12168](#)

mRNA Refseq [NM_007561](#)

Protein Refseq [NP_031587](#)

UniProt ID [O35607](#)

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