

Recombinant Human BMPR2 protein(His tag)

Catalog Number:PDEH100109



Note: Centrifuge before opening to ensure complete recovery of vial contents.

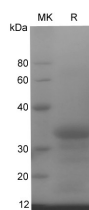
Description

Synonyms	BMP type-2 receptor;BMPR-2;Bone morphogenetic protein receptor type II;BMP type II receptor;BMPR-II
Species	Human
Expression Host	E.coli
Sequence	Ser27-Thr150
Accession	Q13873
Calculated Molecular Weight	26 kDa
Observed molecular weight	35 kDa
Tag	N-His

Properties

Purity	> 85 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 85 % as determined by reducing SDS-PAGE.

Background

On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. Binds to BMP7, BMP2 and, less efficiently, BMP4. Binding is weak but enhanced by the presence of type I receptors for BMPs. Mediates induction of adipogenesis by GDF6.

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