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Datasheet for ABIN7519709

BMPR1B Protein (Fc Tag,His tag)

Overview

Quantity:	50 µg
Target:	BMPR1B
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This BMPR1B protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Human BMPR-1B/ALK-6/CDw293 Protein
Sequence:	KKEDGESTAP TPRPKVLRCK CHHHCPEDSV NNICSTDGYC FTMIEEDDSG LPVVTSGCLG LEGSDFQCRD TPIPHQRRSI ECCTERNECN KDLHPTLPPL KNRDFVDGPI HHR
Specificity:	Lys14-Arg126
Purity:	> 90 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	1.Measured by its binding ability in a functional ELISA. Immobilized Human BMP2 at 4 µg/mL (100 µL/well) can bind Human BMPR1B with a linear range of 20-338 ng/mL.[2.Measured by its ability to inhibit rhBMP-4-induced alkaline phosphatase production by ATDC5 mouse chondrogenic cells.The ED ₅₀ for this effect is 0.6-2.3 µg/mL in the presence of 30 ng/mL of rhBMP-4.

Target Details

Target:	BMPR1B
Alternative Name:	BMPR-1B/ALK-6/CDw293 (BMPR1B Products)
Background:	ALK-6,ALK6,AMDD,BDA1D,BDA2,CDw293,BMPR1B, ALK-6, ALK6, AMDD, BDA1D, BDA2, CDw293, bone morphogenetic protein receptor type-1B
Gene ID:	658
UniProt:	O00238

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.