

## Active Recombinant Canine BMPR1A protein(Met1-Arg152), hFc-tagged

Cat. No. BMPR1A-1043C Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Canine BMPR1A (NP_001138622.1) (Met1-Arg152) was expressed in HEK293 with the Fc region of Human IgG1 at the C-terminus.
<b>Species</b>	Canine
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Arg152
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured by its ability to inhibit rhBMP4-induced alkaline phosphatase production by MC3T3-E1 cells. The ED50 for this effect is typically 0.5-2.5 µg/mL in the presence of 50 ng/mL of recombinant human BMP4.
<b>Molecular Mass</b>	The recombinant Canine BMPR1A consists 370 amino acids and predicts a molecular mass of 41.2 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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