PRODUCT INFORMATION

Target	BMPR1A
Synonyms	ACVRLK3;ALK3;CD292;SKR5
Description	Recombinant Human BMPR1A Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P36894
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	BMPR1A(Gln24-Arg152) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 40.3 kDa after removal of the signal peptide. The apparent molecular mass of BMPR1A-hFc is approximately 35-70 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	The bone morphogenetic protein (BMP) receptors are a family of transmembrane serine/threonine kinases that include the type I receptors BMPR1A and BMPR1B and the type II receptor BMPR2. These receptors are also closely related to the activin receptors, ACVR1 and ACVR2. The ligands of these receptors are members of the TGF-beta superfamily. TGF-betas and activins transduce their signals through the formation of heteromeric complexes with 2 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. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

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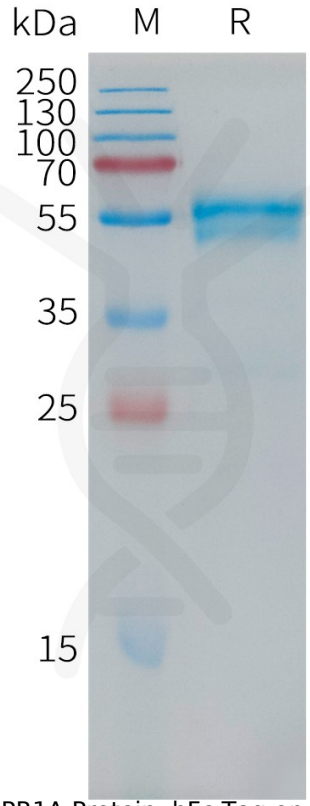


Figure 1. Human BMPR1A Protein, hFc Tag on SDS-PAGE under reducing condition.

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