

PRODUCT INFORMATION

BMPR1A **Target**

Synonyms ACVRLK3;ALK3;CD292;SKR5

Recombinant Human BMPR1A Protein with C-**Description**

terminal human Fc tag

Delivery In Stock **Uniprot ID** P36894 **Expression Host HEK293**

Tag C-Human Fc Tag

Molecular

Reconstitution

Background

Storage & Shipping

BMPR1A(Gln24-Arg152) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight**

40.3 kDa after removal of the signal peptide. The apparent molecular mass of BMPR1A-hFc is approximately 35-70 kDa due to glycosylation. The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation &

- 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.

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.

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 20081

Usage Research use only

Conjugate Unconjugated

> Email: info@dimabio.com Website: www.dimabio.com







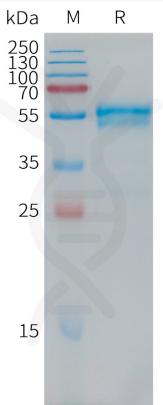


Figure 1. Human BMPR1A Protein, hFc Tag on SDS-PAGE under reducing condition.



