

## Bimagrumab

## Chemical Properties

CAS No. : 1356922-05-8

Formula:

Molecular Weight: 142.73 kDa

Storage: Store at low temperature  
-20°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Bimagrumab (BYM338) is a human monoclonal antibody that binds to the activin type II receptor. Bimagrumab can be used to study diabetes and obesity.
Targets(IC50)	Others,TGF-beta/Smad
In vitro	<b>METHODS:</b> Bimagrumab (Anti-ACVR2B Reference Antibody) (1 pM-1 μM) was used to treat HEK293 cells and its potency in inhibiting ActRII ligand signaling was evaluated in a Smad2/3 CAGA-luciferase reporter assay. <b>RESULTS:</b> Bimagrumab (Anti-ACVR2B Reference Antibody) showed similar dose-dependent inhibition of activin A-induced luciferase with an IC50 value of 343 ± 97 pM. [1]
In vivo	<b>METHODS:</b> Bimagrumab (Anti-ACVR2B Reference Antibody) (6, 20 mg/kg, subcutaneous injection) was used to treat mice and body weight was measured weekly to study its use in naive mice. <b>RESULTS:</b> Bimagrumab promoted weight gain and skeletal muscle hypertrophy in all examined mouse muscles, including slow, fast, and mixed muscles. [1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.007 mL	0.035 mL	0.0701 mL
5 mM	0.0014 mL	0.007 mL	0.014 mL
10 mM	0.0007 mL	0.0035 mL	0.007 mL
50 mM	0.0001 mL	0.0007 mL	0.0014 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481