
Product Data Sheet

Product Name: BMPR1B Human
 Cat. No.: GP20097
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Bone Morphogenetic Protein Receptor; Type IB; BMP Type-1B Receptor; EC 2.7.11.30; BMPR-1B; ALK6; Bone Morphogenetic Protein Receptor Type-1B; Serine/Threonine Receptor Kinase; CDw293 Antigen; EC 2.7.11; CDw293; ALK-6; Bone morphogenetic protein receptor type-1B.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSKKEDGES TAPTPRPKVL RCKCHHHHCPE DSVNNICSTD GYCFTMIEEDDSGLPVVTSG CLGLEGSDFQ CRDTPIPHQR RSIECCTERN ECKNDLHPTL PPLKNRDFVD GPIHHR.		
Formulation	BMPR1B protein solution (0.5mg/ml) containing Phosphatebuffered saline (pH7.4), 20% glycerol, 1mM DTT and 0.1mM PMSF.		

Introduction

Bone Morphogenetic protein Receptor-1B, also known as BMPR1B belongs to the TKL Ser/Thr protein kinase family. BMPR1B is on ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate as well as activate type I receptors which autophosphorylate, afterward bind and activate SMAD transcriptional regulators. BMPR1B is receptor for BMP7/OP-1 as well as GDF5.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

BMPR1B Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 136 amino acids (14-126 a.a) and having a molecular mass

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

of 15.1kDa.BMPRI1B is fused to a 23 amino acid His-tag at N-terminus& purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA